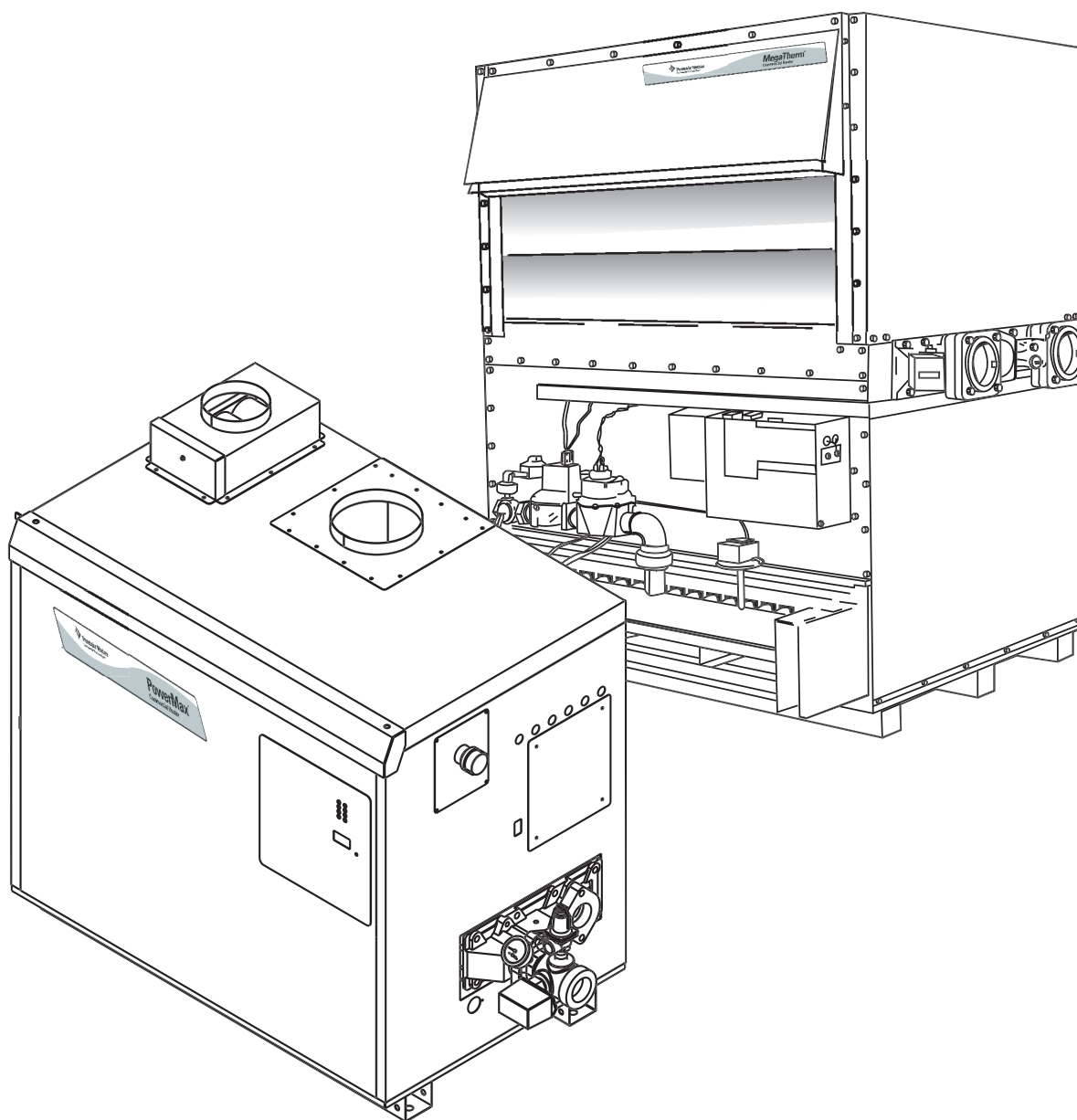


# Pentair Commercial Pool Heaters

## Ordering

MegaTherm™ MT — 500-5000 MBTU/h

PowerMax™ PM — 500-2000 MBTU/h



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Litho in U.S.A

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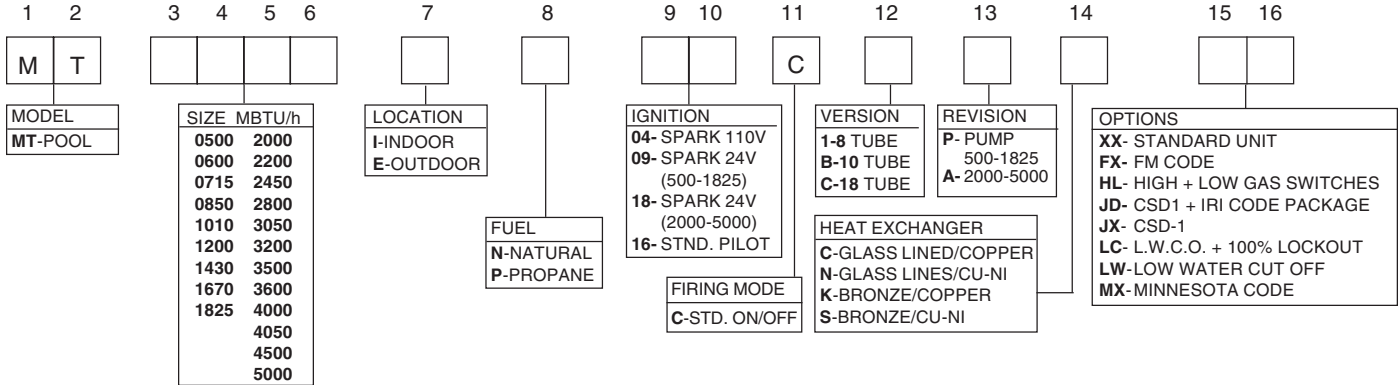
## Powermax PM

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# Standard Features MegaTherm MT (500-5000)

- Integral finned copper tube heat exchanger. ASME 160 lb. working pressure, 2-pass configuration
- Glass-lined cast iron headers
- Stainless steel burners
- Built-in integral draft hood (indoor models)
- 115/24V transformer for 24V control system
- Redundant safety gas valve
- Manual shut-off valve
- Manual pilot valve
- Pilot gas regulator
- Electronic operating control with remote thermometer
- Adjustable manual reset safety high limit
- Pressure relief valve (75 PSI)
- Two temperature gauges
- Terminal strip
- 2 amp fuse
- EM<sup>2</sup> - pump time delay (500-1825)
- Power on/off switch
- Power on light
- Non-combustible base (500-1825 Outdoor)
- Integral pump (500-1825)
- Water flow switch (500-1825)
- Water pressure switch (2000-5000)

## Model Nomenclature



### Indoor Units

SIZE	STANDARD UNIT* SYS 9/16/18	SYS 4 FOR FM & MINNESOTA	SHIP WT lbs.
500	6,622	N/A	808
600	6,888	N/A	819
715	7,061	N/A	873
850	7,505	N/A	945
1010**	7,926	N/A	1041
1,200	8,325	N/A	1199
1,430	8,694	N/A	1280
1,670	9,417	N/A	1445
1,825	9,772	N/A	1570
2,000	13,273	17,055	1950
2,450	14,013	17,993	2100
3050	16,053	19,930	2250
3500	17,858	21,570	2510
4050	19,291	22,361	2750
4500	20,841	26,130	2900
5000	21,832	27,084	3200

### Outdoor Units

Size	Standard Unit* Sys. 9/16/18	Sys. 4 for FM & Minnesota	Ship Weight lbs.
500	7,693	N/A	855
600	7,900	N/A	949
715	8,153	N/A	1050
850	8,468	N/A	1100
1010**	9,170	N/A	1240
1,200	9,594	N/A	1410
1,430	9,990	N/A	1570
1,670	10,177	N/A	1622
1,825	10,976	N/A	1725
2,200	15,521	18,307	2320
2,800	17,590	20,324	2500
3,200	19,828	22,819	2840
3,600	20,820	23,677	3175
4,000	22,239	26,003	3940
4,500	23,252	27,750	3790

### CODE OPTIONS INCLUDE:

#### Minnesota Code (MX)

- 500-850:
- low water cutoff (manual reset with test button)
  - manual firing valve (2nd shutoff valve)
  - 100% lockout
  - high gas pressure switch
  - additional safety valve

- 1010-2450:
- low water cutoff (manual reset with test button)
  - manual firing valve (2nd shutoff valve)
  - leak test valve
  - 100% lockout
  - high & low gas pressure switches
  - solenoid safety valve
  - motorized safety with proof of closure

- 2800-5000:
- System 4 (see heater pricing)
  - low water cutoff (manual reset with test button)
  - manual firing valve (2nd shutoff valve)
  - leak test valve
  - 100% lockout
  - high & low gas pressure switches
  - motorized safety valve
  - motorized safety with proof of closure

#### Kentucky Code (KC) (STD)

- 200° F (max.) automatic reset high limit
- 200° F (max.) manual reset high limit

\*Spark Ignition standard on Natural Gas and Propane models (Ignition 09).

\*\*Available as Model 999 for local jurisdictions that limit input to 1,000,000 BTU/h.

#### CSD - 1 Code (JX)

- 500-2450:
- low water cutoff (man. reset w/test button)
  - manual firing valve (2nd shutoff valve)
  - leak test valve
  - 100% lockout
- 2800-5000:
- low water cutoff (man. reset w/test button)
  - manual firing valve (2nd shutoff valve)
  - multiple leak test valves
  - 100% lockout
  - high & low gas pressure switches

#### CSD-1 + IRI Code Package (JD)

- 500-2450
- low water cutoff (man. reset w/test button)
  - manual firing valve (2nd shutoff valve)
  - leak test valve
  - 100% lockout
  - normally open vent valve
- 2800-5000:
- low water cutoff (man. reset w/test button)
  - manual firing valve (2nd shutoff valve)
  - multiple leak test valves
  - 100% lockout
  - high & low gas pressure switches
  - normally open vent valve

#### FM Code (FX)

- 500-2450:
- add CSD-1
- 2800-5000:
- System 4 (see heater pricing)
  - low water cutoff (manual reset with test button)
  - manual firing valve (2nd shutoff valve)
  - multiple leak test valves
  - 100% lockout
  - high & low gas pressure switches
  - normally open vent valve
  - motorized safety valve

#### California Code (LC)

- order low water cutoff + 100% lockout

# MegaTherm MT Features and Options

	500-1825	2000-2450	2800-5000
<b>Ignition Systems</b>			
System 4	N/A	N/A	O
System 9	S	N/A	N/A
System 16	O	O	O
System 18	N/A	S	S
<b>Firing Mode</b>			
On/Off	S	S	S
Motorized On/Off (FM & Minnesota Code only)	N/A	N/A	O
<b>Gas Trains</b>			
Manual Valve	S	S	S
Redundant Safety Valve	S	S	S
Main Gas Regulator	S	S	S
Manual Firing Valve	O	O	O
Pilot Gas Regulator	S	S	S
Leak Test Valve	O	O	O
High Gas Pressure Switch	O	O	S
Low Gas Pressure Switch	O	O	O
Normally Open Vent Valve	O	O	O
<b>Control Components</b>			
100% Shutdown on Flame Failure	S	S	S
100% Lockout Ignition Control	SP	SP	SP
Manual Reset High Limit	S	S	S
Automatic Reset High Limit	O	O	S
Water Flow Switch	S	O	O
Water Pressure Switch	N/A	S	S
Pump Time Delay Relay (EM2)	S	N/A	N/A
Low Water Cutoff (w/man. reset & test button)	O	O	O
<b>Water Ways</b>			
Copper Tubes	S	S	S
Cupro-nickel Tubes	O	O	O
Glass-Lined Cast Iron Headers	S	S	S
Bronze Headers	O	N/A	N/A
<b>Codes</b>			
ASME CSD-1	O	O	O
IRI	O	O	O
FM	O	O	O
Kentucky	S	S	S
Minnesota	O	O	O

**Legend**

- S = Standard
- O = Optional
- SP = Standard with CSD-1, spark ignition propane and standing pilot. Optional on spark ignition natural
- NA = Not Available

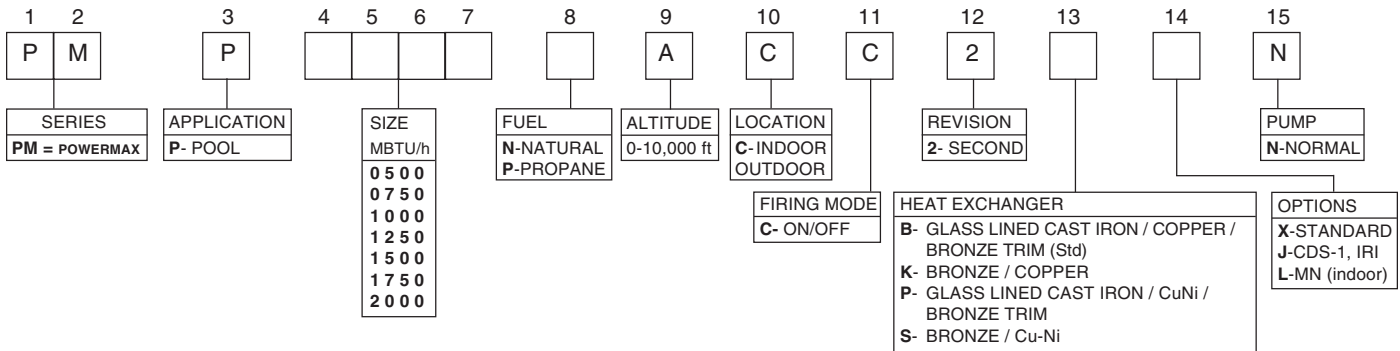
Special Codes/Options									Heat Exchangers		Saltwater
Size	CSD-1	CSD-1 + IRI	FM	Kentucky	Minnesota	Low Water Cutoff	LWCO 100% Lockout	High + Low Gas Press Switch	Bronze Casting	Cupro-Nickel Tubes	Bronze Hdrs/ CuNi Tubes
	Code: JX	Code: JD	Code: FX	Code: KC	Code: MX		Code: LC		Order: K	Order: N	Order: S
500			Add CSD-1	Std.							
600			Add CSD-1	Std.							
715			Add CSD-1	Std.							
850			Add CSD-1	Std.							
1,010			Add CSD-1	Std.							
1,200			Add CSD-1	Std.							
1,430			Add CSD-1	Std.							
1,670			Add CSD-1	Std.							
1,825			Add CSD-1	Std.							
2,000			Add CSD-1	Std.							
2200E/2450I			Add CSD-1	Std.					N/A		N/A
2800E/3050I				Std.					N/A		N/A
3200E/3500I				Std.					N/A		N/A
3600E/4050I				Std.					N/A		N/A
4000E/4500I				Std.					N/A		N/A
4500E/5000I				Std.					N/A		N/A

\*Order ignition system 04.

# Standard Features PowerMax PM (500-2000)

- Automatic bypass
- ASME 160 psi working pressure heat exchanger
- ASME "H" stamp
- Flanged water connections
- Glass-lined cast iron headers
- External header gaskets
- 75 psi (817 kPa) ASME rated pressure relief valve
- Flow switch
- Temperature and pressure gauge
- Multiple operating gas valve/pressure regulators
- Manual "A" gas valve
- Intake air filter
- Multiple, removable burner trays
- Stainless steel burners
- Built-in draft fan(s) for Category I or III venting
- Air pressure switch
- Burner site glass
- 24V control system
- 115/24VAC 75VA power from class 2 transformer
- Manual reset high limit
- Automatic reset high limit
- Electronic PID temperature control with LCD and touchpad
- PC board for electrical connections
- Hot surface ignition
- On/Off toggle switch
- Pump time delay
- Diagnostic lights
- Convertible indoor or outdoor operation
- Bronze trim

## Model Nomenclature



## Pennant Option Descriptions

### Code option J: for CSD-1, FM, IL (low water cutoff not included)

The changes made to the standard Pennant to achieve code option J are as follows:

- Adds manual reset high and low gas pressure switches
- Adds gas regulator
- Changes ignition control from the standard three-attempt to a single attempt

### Kit for IRI:

This kit is added to a Pennant unit with code option J. In total, code option J with the IRI kit:

- Adds manual reset high and low gas pressure switches
- Adds safety valve with gas regulator
- Adds leak test valve for additional safety
- Adds normally open vent valve
- Changes ignition control from the standard three-attempt to a single attempt

### Code option L: for MN and LDS

Sizes 500 to 1000:

- Adds safety valve with regulator
- Adds high gas pressure switch
- Adds leak test valve
- Adds high and low gas pressure switches

Sizes 1250 to 2000:

- Adds solenoid safety valve
- Adds motorized safety valve with proof of closure
- Adds leak test valve

# PowerMax PM (500-2000)

## Part Numbers

Standard Models - 4th Character Code	Code	500	750	1000	1250	1500	1750	2000
--------------------------------------	------	-----	-----	------	------	------	------	------

Base model with std on/off control, std copper tube HX (requires heat exchanger option) with automatic by-pass, and normal water pump mounted

### Fuel Options - 9th character code

Natural Gas	N	n/c	n/c	n/c	n/c	n/c	n/c	n/c
Propane Gas	P	n/c	n/c	n/c	n/c	n/c	n/c	n/c

## CONFIGURATIONS

### Heat Exchanger Options -14th character code *Add amount shown to list price*

Glass-lined cast iron headers / copper tubeB HX / bronze trim	Std	Std	Std	Std	Std	Std	Std	
Bronze headers / copper HX / bronze trim	K							
Glass-lined cast iron headers / Cu-Ni tube HX / bronze trim	P							
Bronze headers w/Cu-Ni tube HX / bronze trim	S							

### Control Options - 15th character code

Standard On/Off Control (LWCO not included)	X	Std	Std	Std	Std	Std	Std	Std
CSD-1 (LWCO not included)	J							
MN Code (LWCO included)	L							

## ADDITIONAL INSTALLED OPTIONS

### Options *Order kit number and list as separate line item*

Low Water Cut Off, factory mounted & wired	Kit No.	<a href="#">KM000500</a>	<a href="#">KM000500</a>	<a href="#">KM000500</a>	<a href="#">KM000500</a>	<a href="#">KM000500</a>	<a href="#">KM000500</a>	<a href="#">KM000500</a>
Reversed HX pump mounted (connections on opposite side for all above configurations)	Kit No.	<a href="#">KM000302</a>	<a href="#">KM000302</a>	<a href="#">KM000302</a>	<a href="#">KM000302</a>	<a href="#">KM000302</a>	<a href="#">KM000302</a>	<a href="#">KM000302</a>
Add IRI to Option J	Kit No.	<a href="#">KM000401</a>	<a href="#">KM000401</a>	<a href="#">KM000402</a>	<a href="#">KM000403</a>	<a href="#">KM000403</a>	<a href="#">KM000403</a>	<a href="#">KM000403</a>

### Indoor Venting Accessories *Order kit number and list as separate line item*

Side-wall Exhaust Vent Terminal (required for side wall venting)	Kit No.	<a href="#">CA001401</a>	<a href="#">CA001401</a>	<a href="#">CA001402</a>	<a href="#">CA001403</a>	<a href="#">CA001403</a>	<a href="#">CA001403</a>	<a href="#">CA001404</a>
Side-wall Intake Air Terminal (required only for ducted combustion air)	Kit No.	<a href="#">20260701</a>	<a href="#">20260701</a>	<a href="#">20260703</a>	<a href="#">20260703</a>	<a href="#">20260703</a>	<a href="#">20260703</a>	<a href="#">20260706</a>

### Outdoor Venting Accessories *Order kit number and list as separate line item*

Vertical Exhaust Vent Terminal (optional) Low profile stainless steel	Kit No.	<a href="#">20254701</a>	<a href="#">20254703</a>	<a href="#">20254705</a>	<a href="#">D2007700</a>	<a href="#">D2007700</a>	<a href="#">D2007800</a>	<a href="#">D2007800</a>
Outdoor Combustion Air Intake (optional)	Kit No.	<a href="#">D2007900</a>	<a href="#">D2007900</a>	<a href="#">D2008000</a>	<a href="#">D2008000</a>	<a href="#">D2008000</a>	<a href="#">D2008000</a>	<a href="#">D2008200</a>





# Commercial Pool Heater Parts

Sizes 210,000 - 5,000,000 BTU/h

Heater Name	Model	Sizes	Doc. No.
<b>MegaTherm</b> - Commercial Pool Heater	MT	500-1825	472643
<b>MegaTherm</b> - Commercial Pool Heater	MT	2000-5000	472644
<b>PowerMax</b> - Commercial Pool Heater	PM	500-2000	472642



**Using “Genuine Pentair” parts will ensure accurate replacement and warranty coverage.**  
Installation and Operation Manuals for current products are available on-line at <http://www.pentairpool.com>

## **Our Commitment**

We believe the availability of factory authorized replacement parts is an essential component of customer service. We strive to provide every opportunity for our customers to order and stock factory authorized replacement parts, including special incentive, pricing and freight programs. Contact your Pentair representative or sales manager for more details.

## **Ordering**

Pentair sells parts only through its normal distribution channels. The most commonly used parts are listed in this parts pricing guide, and can be ordered through Pentair stocking representatives or wholesalers. Call the Service Department for assistance in identifying parts not listed. Have the model and serial number of the unit before calling to assure accurate parts identification. Some parts are subject to price changes and limited availability. Pentair representatives or wholesalers should call the factory for price and lead time for non-current sheet metal parts, parts listed as “limited to stock on hand” and parts not listed in this document. Rush Orders: We make every effort to ship rush orders the same day at our regular prices, but cannot guarantee same day shipment. Express freight charged by carriers is not refundable regardless of ship date; please indicate alternate shipping choice if order cannot ship the same day.

## **Terms and Conditions**

1. Standard terms will apply to all parts orders.
2. Special pricing is available for bulk quantity orders. Contact the Customer Service Department (800) 831-7133 for pricing and specifics.
3. Expedite fee for non-stocked heat exchangers, 24 hour turnaround \$250.00 net.
4. Expedite fee for non-stocked sheet metal parts (7 working days) is \$250.00 per part.
5. Cancellation fee for custom product already in production: \$250.
6. All parts are shipped FOB factory.

## **Salable Returns / Unused Parts**

Parts in new condition with all original packaging will be considered for return within one year of date of purchase from Pentair, subject to a 25% restocking charge *and* recovery of other discounts or incentives earned at time of purchase. Invoice number and date of purchase must be furnished. Refunds will be made to the original purchaser only, and will be made at the sole discretion of Pentair. Return of parts may affect eligibility for other programs. Contact your Pentair representative for more information.

## **Parts Limited Warranty**

Pentair warrants all parts to be free from defects in materials and workmanship to the original retail purchaser for one year from date of retail purchase. Proof of purchase is required. This limited warranty applies only to parts purchased for use as an original equipment replacement part in Pentair Commercial Pool and Spa Heating Systems boilers and water heaters. At its option, Pentair will repair or replace any part that fails under this limited warranty. Repair or replacement shall be the sole remedy, and Pentair shall not be liable for any field labor, removal, transportation to/from the factory, reinstallation or any other such costs.

## **Return Under Warranty**

Parts should be returned to the place of purchase for warranty evaluation. If the original place of purchase is not known, contact your Pentair wholesaler, factory representative or Contract Service Center. Wholesalers, factory representatives and Contract Service Centers returning parts for warranty consideration must obtain a RMA (Return Merchandise Authorization) number from the Customer Service Department. Each part must be tagged with the original purchase date, model and serial number of the boiler it was installed on, and a description of the failure. Parts must be returned freight prepaid and clearly marked with the RMA number. The RMA expires if not returned within 90 days of issuance. Contact your Pentair representative or the Customer Service Department for more information on obtaining warranty coverage on large, heavy or bulky items.

# MegaTherm Model MT

Old style AP before April 1999, New style after April 1999

Sizes 500,000 - 1,825,000 BTU/h

Part No.	Description	Model Size	Part No.	Description	Model Size
<b>GAS SYSTEM</b>					
<b>BURNER TRAYS</b>					
<i>See listing in MegaTherm HH, PH, VW, PW and IW for common components.</i>					
10525901	Gas Manifold Weldment (single inlet) .....	both .. 500 .....	L0032800	Orifice, LP Gas, 4001-8000 ft .....	both .....
10525902	Gas Manifold Weldment (single inlet) .....	both .. 600 .....	L0032700	Orifice, LP Gas, 8001-10000 ft .....	both .....
10525903	Gas Manifold Weldment (single inlet) .....	both .. 715 .....	V0004200	Gas Valve, Manual, 1", Nat LP 1010-1200 .....	both .. 500-715 .....
10525904	Gas Manifold Weldment (single inlet) .....	both .. 850 .....	V0004300	Gas Valve, Manual, 1-1/4", Nat LP 1430-1825 .....	both .. 850-1825 .....
10525905	Gas Manifold Weldment (single inlet) .....	both .. 1010 .....	V0004800	Gas Valve, Manual, 3/4", LP .....	both .. 500-850 .....
10525906	Gas Manifold Weldment (single inlet) .....	both .. 1200 .....	RV0046600	Valve Gas Auto 1x1 Nat/LP 24V ..	both .. 500-850 .....
10525907	Gas Manifold Weldment (single inlet) .....	both .. 1430 .....	RV0046700	Gas Valve, Safety, 1-1/4", On/Off & 2-Stage, Nat .....	both .. 1010-1670 .....
10525908	Gas Manifold Weldment (single inlet) .....	both .. 1670 .....	V0046800	Gas Valve, Safety, 1-1/2" On/Off & 2-Stage, Nat .....	both .. 1825 .....
10525909	Gas Manifold Weldment (single inlet) .....	both .. 1825 .....	V0047600	Gas Valve Combo, 1x1 Nat 24V ..	both .. 500-850 .....
RL0052300	Burner, Main 10 Pack .....	both .....	RV0051200	Valve Gas Combo 1" 24V Nat On/Off & 2-Stage .....	both .. 500-850 .....
10529501	Pilot Bracket/Burner Weldment (Johnson) .....	old .....	RV0051300	Valve Gas Combo 1-1/4" 24V Nat On/Off & 2-Stage .....	both .. 1010-1430 .....
10529502	Pilot Bracket/Burner Weldment (Honeywell) .....	both .....	V0051400	Gas Valve, Combination/Operating 1-1/2", On/Off & 2-Stage, Nat .....	both .. 1670-1825 .....
R10529300	Pilot Burner IID, Nat 500-1825 Honeywell, 4-Stage .....	both .....	V0059600	Gas Valve, Combination/Operating 3/4", used on 4-Stage, Nat .....	both .. 500-715 .....
R20039600	Pilot Burner Assy IID LP Honeywell, 4-Stage .....	both .....	V0054800	Gas Valve, Combination/Operating 1", On/Off & 2-Stage, LP .....	both .. 500-1200 .....
10547002	Complete Pilot Assy Standing Pilot, LP .....	both .....	V0054900	Gas Valve, Combination/Operating 1-1/4", On/Off & 2-Stage, LP .....	both .. 1430-1825 .....
10547001	Complete Pilot Assy Standing Pilot, Nat .....	both .....	V0070800	Gas Valve, Combination/Operating 3/4", used on 4-Stage, LP .....	both .. 500-850 .....
W0035800	Pilot Burner (Honeywell) Standing Pilot, Nat .....	both .....	W0002100	Pilot Gas Valve, Manual, Nat/LP ..	both .. all .....
W0034400	Pilot Burner (Honeywell) Standing Pilot, LP .....	both .....	W0019300	Pilot Valve, Solenoid, Nat/LP .....	both .. all .....
RW0034300	Pilot Burner (Honeywell) Spark Ignition Nat .....	both .....	W0002000	Pilot Regulator, Nat .....	both .. all .....
W2001500	Pilot Burner (Honeywell) Spark Ignition LP .....	both .....	W2000200	Pilot Regulator, LP .....	both .. all .....
RW0034500	Pilot Burner Nat Spark Johnson ..	both .....	<i>Manifold cover plate assemblies, anti rotation brackets and tie down brackets - see listing for MegaTherm HH, PH, VW, PW and IW for common components.</i>		
W0034600	Pilot Burner (Johnson) Standing Pilot LP .....	both .....	<b>ELECTRICAL COMPONENTS</b>		
W0036500	Thermocouple (Standing Pilot) .....	both .....	RE0100900	Controller, Ignition Module (used prior to April 1999) .....	both .....
10418815	Pilot Sensor Lead Assy - Std Pilot/ Nat gas .....	both .....	RE2033900	Ignition Control (used prior to April 1999) .....	both .....
10418816	Pilot Sensor Lead Assy - Std Pilot/LP Spark Ign / LP & Nat .....	both .....	E2305400	Ignition Control, UT 100% Lockout After 1 Retry .....	both .....
R10418814	Pilot Ignition Lead Assy - Spark Ign ..	both .....	E2305500	Ignition Control, UT, Continuous Retry .....	both .....
L0050700	Orifice, Nat Gas, 0-2000 ft .....	both .....	R0021300	Transformer, 40VA, 115/24V Kit ..	both .....
L0032600	Orifice, Nat Gas, 2001-5000 ft .....	both .....	E2103900	High Limit, Manual Reset Switch ..	new .....
L0050200	Orifice, Nat Gas, 5001-6000 ft .....	both .....	E2103800	Water Temp Control 60-105°F .....	new .....
L0050300	Orifice, Nat Gas, 6001-7000 ft .....	both .....	E2103600	Water Temp Sensor .....	new .....
L0050400	Orifice, Nat Gas, 7001-10000 ft ..	both .....	RE2218701	Pressure Switch, Water .....	both .....
L0032900	Orifice, LP Gas, 0-4000 ft .....	both .....	RE0066200	Switch, Dual Aquastat .....	old .....
			E0109200	Toggle Switch, 3-Position .....	both .....
			E0086800	Toggle Switch .....	both .....
			10449518	Hi Tension Lead (orange/red wire from ignition ctrl to pilot lead) .....	both .. 500-600 .....
			10449519	Hi Tension Lead (orange/red wire from ignition ctrl to pilot lead) .....	both .. 715-850 .....
			10449520	Hi Tension Lead (orange/red wire from ignition ctrl to pilot lead) .....	both .. 1010-1430 .....

# MegaTherm AP, Sizes 500,000-1,825,000

Part No.	Description	Model Size	Part No.	Description	Model Size
10449521	Hi Tension Lead (orange/red wire from ignition ctrl to pilot lead) .....	both .. 1670-1825 .....	BR670404	Tube Assy .....	both .. 850 .....
<b>ELECTRICAL COMPONENTS (Optional)</b>			BR670405	Tube Assy .....	both .. 1010 .....
E0023300	High Gas Pressure Switch, Manual Reset .....	both .....	BR670406	Tube Assy .....	both .. 1200 .....
E0023500	Low Gas Pressure Switch Manual Reset .....	both .....	BR670407	Tube Assy .....	both .. 1430 .....
RE2075100	Low Water Cut Off Manual Reset, 120 VAC .....	both .....	BR670408	Tube Assy .....	both .. 1670 .....
V2000100	Normally Open Vent Valve 24 Volts (System 9, 11) .....	both .....	BR670409	Tube Assy .....	both .. 1825 .....
<b>WATER SYSTEM</b> <i>Code Compliant ASME Tube Assemblies</i> <i>Built in accordance with the requirements of the ASME Boiler and Pressure Vessel Code. Individually serialized with H-4 data reports on file as required by section HG-520.2 and HG-531</i>			<i>For copper tube heat exchangers see listing on pages 16-17. It is recommended to use cupronickel heat exchangers for swimming pool applications.</i>		
<b>Cupronickel tubes with glass-lined headers</b> , ideal for corrosive or softwater applications (under 7.5 grains hardness) or when hard water pumping creates higher tube velocities. Suitable for use with swimming pool heaters.			10534301	Baffle, HX Front/Rear (indoor) .....	both .. 500 .....
<b>Indoor Boilers (8 Tubes):</b>			10534302	Baffle, HX Front/Rear (indoor) .....	both .. 600 .....
BR098401	Tube Assy .....	both .. 500 .....	10534303	Baffle, HX Front/Rear (indoor) .....	both .. 715 .....
BR098402	Tube Assy .....	both .. 600 .....	10534304	Baffle, HX Front/Rear (indoor) .....	both .. 850 .....
BR098403	Tube Assy .....	both .. 715 .....	10534305	Baffle, HX Front/Rear (indoor) .....	both .. 1010 .....
BR098404	Tube Assy .....	both .. 850 .....	10534306	Baffle, HX Front/Rear (indoor) .....	both .. 1200 .....
BR098405	Tube Assy .....	both .. 1010 .....	10534307	Baffle, HX Front/Rear (indoor) .....	both .. 1430 .....
BR098406	Tube Assy .....	both .. 1200 .....	10534308	Baffle, HX Front/Rear (indoor) .....	old .....
BR098407	Tube Assy .....	both .. 1430 .....	10534309	Baffle, HX Front/Rear (indoor) .....	old .....
BR098408	Tube Assy .....	both .. 670 .....	20020108	Baffle, HX Front/Rear (indoor) .....	new ... 1670 .....
BR098409	Tube Assy .....	both .. 1825 .....	20020109	Baffle, HX Front/Rear (indoor) .....	new ... 1825 .....
<b>Outdoor Boilers (10 Tubes):</b>			10534601	Baffle, HX (500 =7 req; 1825=14 req) .....	both .. 500/1825 .....
BR001001	Tube Assy .....	both .. 500 .....	10534602	Baffle, HX (14 req) .....	both .. 600 .....
BR001002	Tube Assy .....	both .. 600 .....	10534603	Baffle, HX (14 req) .....	both .. 715 .....
BR001003	Tube Assy .....	both .. 715 .....	10534604	Baffle, HX (14 req) .....	both .. 850 .....
BR001004	Tube Assy .....	both .. 850 .....	10534605	Baffle, HX (14 req) .....	both .. 1010 .....
BR001005	Tube Assy .....	both .. 1010 .....	10534606	Baffle, HX (28 req) .....	both .. 1200 .....
BR001006	Tube Assy .....	both .. 1200 .....	10534607	Baffle, HX (28 req) .....	both .. 1430 .....
BR001007	Tube Assy .....	both .. 1430 .....	10534608	Baffle, HX (28 req) .....	old .....
BR001008	Tube Assy .....	both .. 1670 .....	10534602	Baffle, HX (14 req) .....	old .....
BR001009	Tube Assy .....	both .. 1825 .....	10667702	Baffle, HX (14 req) .....	new ... 1825 .....
<b>Cupronickel tubes with bronze headers</b> , a non-ferrous solution for the most demanding systems. Suitable for higher oxygen content hydronic systems, all volume water applications and excellent for swimming pool heaters.			10667708	Baffle, HX (28 req) .....	new ... 1670 .....
<b>Indoor Boilers (8 Tubes):</b>			10667709	Baffle, HX (14 req) .....	new ... 1825 .....
BR553701	Tube Assy .....	both .. 500 .....	20020101	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 500 .....
BR553702	Tube Assy .....	both .. 600 .....	20020102	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 600 .....
BR553703	Tube Assy .....	both .. 715 .....	20020103	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 715 .....
BR553704	Tube Assy .....	both .. 850 .....	20020104	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 850 .....
BR553705	Tube Assy .....	both .. 1010 .....	20020105	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 1010 .....
BR553706	Tube Assy .....	both .. 1200 .....	20020106	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 1200 .....
BR553707	Tube Assy .....	both .. 1430 .....	20020107	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 1430 .....
BR553708	Tube Assy .....	both .. 1670 .....	20020108	Baffle, HX Front/Rear (outdoor) (2 req) .....	both .. 1670 .....
BR553709	Tube Assy .....	both .. 1825 .....	20020109	Baffle, HX Front/Rear (outdoor), (2 req) .....	both .. 1825 .....
<b>Outdoor Boilers (10 Tubes):</b>			10667701	Baffle, HX (8 tube outdoor) (500 =qty 7; 1825=14 req) .....	both .. 500 .....
BR670401	Tube Assy .....	both .. 500 .....	10667702	Baffle, HX (8 tube outdoor) (14 req) .....	both .. 600 .....
BR670402	Tube Assy .....	both .. 600 .....	10667703	Baffle, HX (8 tube outdoor) (14 req) .....	both .. 715 .....
BR670403	Tube Assy .....	both .. 715 .....	10667704	Baffle, HX (8 tube outdoor) (14 req) .....	both .. 850 .....
			10667705	Baffle, HX (8 tube outdoor) (28 req) .....	both .. 1010 .....

# MegaTherm MT, Sizes 500,000-1,825,000

Part No.	Description	Model Size	Part No.	Description	Model Size
10667706	Baffle, HX (8 tube outdoor) (28 req) .....	both .. 1200 .....	A2010305	Impeller 4.85" dia. (Armstrong 1050) .....	1825 .....
10667707	Baffle, HX (8 tube outdoor) (28 req) .....	both .. 1430 .....	<b>JACKET AND COMBUSTION CHAMBER COMPONENTS</b> <i>See listings in MegaTherm Models HH, PH, VW, PW and IW for common components.</i>		
10667708	Baffle, HX (8 tube outdoor) (28 req) .....	both .. 1670 .....	<b>COMPLETE TILE ASSEMBLIES</b> <i>See "Tile Assembly Pages" for details and dimensions.</i>		
10667709	Baffle, HX (8 tube outdoor) (14 req) .....	both .. 1825 .....	20031901	Complete Tile Assy .....	new ... 500 .....
10667702	Baffle, HX (8 tube outdoor) (14 req) .....	both .. 1825 .....	20031902	Complete Tile Assy .....	new ... 600 .....
10364300	Return Header (S0098100 glassed cast iron) .....	old .....	20031903	Complete Tile Assy .....	new ... 715 .....
10364301	Return Header (S0064200 bronze) .....	old .....	20031904	Complete Tile Assy .....	new ... 850 .....
10364500	Inlet/Outlet Header (S0094300 glassed cast iron) after s/n 4/99 w/o holes .....	both .....	20031905	Complete Tile Assy .....	new ... 1010 .....
10364501	Inlet/Outlet Header (S0064000 bronze) .....	both .....	R20031906	Tile Assy HH PH IW PW VW .....	new ... 1200 .....
R10364504	Header Cover In/Out cast iron, before s/n 4/99 w/holes .....	both .....	20031907	Complete Tile Assy .....	new ... 1430 .....
10364505	Inlet/Outlet Header (service bronze) .....	both .....	R20031908	Tile Assy HH PH IW PW VW .....	1670 .....
10391303	Flange, 2-1/2" NPT Machined (S0063600 cast iron) .....	both .. 500-1825 .....	R20031909	Tile Assy .....	1825 .....
R10391304	Flange Kit Bronze, 2.5" Flange w/gasket, bolts and washers .....	1000 .....	T0024300	Tile, End .....	new ... all .....
20130002	Adapter Tee, Flange, 2-1/2" NPT (glassed cast iron) outlet side .....	new ... 500-1827 .....	T2000100	Tile, Front & Rear .....	new ... all .....
20150303	Adapter Tee, Flange 2 -1/2" NPT (bronze) outlet side .....	new ... 500-1825 .....	T2005600	Tile, Front & Rear .....	new ... 500 .....
10338300	Baffle, Water Inlet .....	both .....	T2005700	Tile, Front & Rear .....	new ... 600/1010 .....
20305101	Barrier, Water .....	new .....	T2005800	Tile, Front & Rear .....	new ... 600/1430 .....
S0063700	Flange Gasket (qty 2) .....	both .....	T2005900	Tile, Front & Rear .....	new ... 715 .....
S0095100	Header Gasket (qty 2) .....	both .....	T2006000	Tile, Front & Rear .....	new ... 850 .....
RE2058300	Immersion Well Kit (nickel plated) .....	new .....	T2006100	Tile, Front & Rear .....	new ... 1010 .....
E0025900	Immersion Well (non plated) .....	new .....	T2006200	Tile, Front & Rear .....	new ... 1200/1670 .....
E0026400	Immersion Well (stainless) .....	new .....	T2006300	Tile, Front & Rear .....	new ... 1825 .....
A0063300	Valve, Pressure Relief 3/4 NPT 75 psi .....	both .. 500-715 .....	T2023600	Tile, Front & Rear .....	new ... 715-1825 .....
A0063600	Valve, Pressure Relief 3/4 NPT 75 psi .....	both .. 850-1825 .....	T0024302	Tile, End s/n# before April 1999 .....	old .... all .....
E0013100	Flow Switch (indoor) .....	new .....	T2000102	Tile, Front & Rear s/n# before April 1999 .....	old .... all .....
RE0013000	Flow Switch Kit (outdoor or indoor) .....	new .....	T2005602	Tile, Front & Rear s/n# before April 1999 .....	old .... 500 .....
A0021400	Pump Gasket (between pump & pump housing) .....	new .....	T2005702	Tile, Front & Rear s/n# before April 1999 .....	old .... 600/1010 .....
10364200	Pump Adapter (glassed cast iron) .....	new .....	T2005802	Tile, Front & Rear s/n# before April 1999 .....	old .... 600/1430 .....
10364201	Pump Adapter (cast bronze) .....	new .....	T2005902	Tile, Front & Rear s/n# before April 1999 .....	old .... 715 .....
R10261501	Pump Housing (volute) Glassed .....	new .....	T2006002	Tile, Front & Rear s/n# before April 1999 .....	old .... 850 .....
10483301	Pump Housing (bronze) .....	new .....	T2006102	Tile, Front & Rear s/n# before April 1999 .....	old .... 1010 .....
10338400	Baffle, Diffuser .....	new .....	T2006202	Tile, Front & Rear s/n# before April 1999 .....	old .... 1200/1670 .....
S0024600	Pump Housing Gasket (between pump housing & pump adapter) .....	new .....	T2006302	Tile, Front & Rear s/n# before April 1999 .....	old .... 1825 .....
20601500	EM2: Energy Management Monitor .....	new .....	T2023602	Tile, Front & Rear s/n# before April 1999 .....	old .... 715-1825 .....
<b>PUMP PARTS - NEW</b>			<b>OUTDOOR JACKET COMPONENTS</b> <i>See listings in MegaTherm Models HH, PH, VW, PW and IW for common components.</i>		
20050100	Pump Cover Assy .....	all .....	<b>MISCELLANEOUS</b>		
A2010500	Pump Coupler Assy (Armstrong 1050) .....	all .....	20130005	Adapter Tee, 2-1/2" NPT, C/I (used on PW/PH w/ LWCO) inlet side .....	1010-1825 .....
A2010100	Pump Module, Shaft & Bearing (Armstrong 1050) .....	all .....	20150306	Adapter Tee, 2-1/2" NPT, Bronze (used on PW/PH w/ LWCO) inlet side .....	1010-1825 .....
A2010200	Seal Kit (Armstrong 1050) .....	all .....	R0010000	Tube Cleaning Kit, 7/8" Tubes .....	all .....
A2010304	Impeller 4.53" dia. (Armstrong 1050) .....	500-1670 .....			

# MegaTherm AP, Sizes 500,000-1,825,000

Part No.	Description	Model Size	Part No.	Description	Model Size
<b>CROSS REFERENCE FOR NO LONGER AVAILABLE P/N'S</b>					
10364504	Inlet/Outlet Header, (Service Glassed Cast Iron) before s/n# April 1999 - NLA .....	use K10364504			
10391304	Flange, 2-1/2" NPT Machined (S0064400 Bronze) - NLA				
10418814	Pilot Ignition Lead Assy - Spark ignition LP & Nat - NLA .....	use K10418814			
10529300	Complete Pilot Assy, Spark Ignition, Nat - NLA .....	use K10529300			
20031906	Complete Tile Assy - NLA .....	use K20031906			
20031908	Complete Tile Assy - NLA				
20031909	Complete Tile Assy - NLA .....	use K20031909			
20039600	Complete Pilot Assy, Spark Ignition, LP - NLA .....	use K20039600			
E0013000	Flow Switch (outdoor) - NLA				
E0066200	Dual Aquastat/Hi-Limit w/Manual Reset - NLA	use KE0066200			
E0086100	Transformer, 115V/24V - NLA .....	use R0021300			
E0100900	Ignition Control, Electronic, Nat - NLA				
E2033900	Ignition Control, Electronic. Spark LP/CSD-1 (100% Lockout) - NLA .....	use KE2033900			
E2075100	Low Water CutOff - NLA .....	use RE2075100			
E2218701	Pressure Switch - NLA .....	use KE2218701			
L0052300	Burner, Main - NLA .....	use KL0052300			
V0046600	Gas Valve, Safety, 1", On/Off & 2-Stage, Nat - NLA .....	use KV0046600			
V0046700	Gas Valve, Safety, 1-1/4", On/Off & 2-Stage, Nat - NLA				
V0051200	Gas Valve, Combination/Operating, 1", On/Off & 2-Stage, Nat - NLA .....	use KV0051200			
V0051300	Gas Valve, Combination/Operating, 1-1/4", On/Off & 2-Stage, Nat - NLA				
W0034300	Pilot Burner (Honeywell) Spark Ignition, Nat - NLA .....	use KW0034300			
W0034500	Pilot Burner (Johnson) Spark Ignition, Nat - NLA .....	use KW0034500			

# MegaTherm Model MT

Sizes 2,000,000 - 5,000,000 BTU/h

Part No.	Description	Size	Part No.	Description	Size
<b>MAIN GAS SYSTEM</b>			<b>PILOT GAS SYSTEM</b>		
L2002200	Orifice Nat, #20 DMS		V2013800	Valve, Manual	
L2006100	Orifice Nat, #23 DMS		V2013900	Valve, Manual	
L2006400	Orifice Nat, #24 DMS		V2003100	Valve,Ball, Lubricated	
L2006700	Orifice Nat, #26 DMS		V2003200	Valve,Ball, Lubricated, 1-1/2" Jomar	
L2007000	Orifice Nat, #27 DMS		V2003300	Valve,Ball, Lubricated, 2" Jomar	
L2007300	Orifice Nat, #28 DMS		<b>PILOT GAS SYSTEM</b>		
L2007600	Orifice Nat, #29 DMS		20048001	Burner/Pilot Assy, Standing Pilot, LP	
L2007900	Orifice Nat, #30 DMS		R20047801	Burner/Pilot Assy, Spark Ign, Nat (Johnson)	
L2008000	Orifice Nat, #31 DMS		20047901	Burner/Pilot Assy, Spark, LP	
L2011300	Orifice LP, #35 DMS		RW0034300	Pilot Nat IID	
L2002500	Orifice LP, #36 DMS		W0034400	Pilot, HW, Standing, LP	
L2002600	Orifice LP, #37 DMS		RW0034500	Pilot Burner Nat Spark (Johnson)	
L2002700	Orifice LP, #38 DMS		W0034600	Pilot, JC, LP, Standing Pilot	
L2002800	Orifice LP, #39 DMS		W0034700	Pilot, JC, Nat, Standing Pilot	
L2002900	Orifice LP, #41 DMS		W0034800	Pilot, HW, Standing, Nat	
L2008100	Orifice LP, #40 DMS		W0035800	Pilot, NAT	
L2005300	Orifice LP, #42 DMS		W0036500	Thermocouple	
L2005400	Orifice LP, #43 DMS		W2000100	Pilot Filter	
V0001800	Manual Gas Valve, Nat	all	20035405*	Complete Pilot Wiring Assy, Spark	all
V0004300	Manual Gas Valve, LP	2000	20035406*	Complete Pilot Wiring Assy, Std	all
RV0046700	Safety Gas Valve Kit	2000	20052006	Pilot Ignition Lead Assy (10.75")	all
V0046800	Safety Gas Valve, Motor Mod, Nat/LP	2000-3050	20052005	Pilot Sensor Lead Assy (8.70")	all
V0046900	Auto Safety Valve, Nat/LP	3200-5000	10418817	Pilot Ignition Lead Assy (23.50")	all
V2000500	Safety Valve, 2-Stage, Nat/LP	4000-5000	10418818	Pilot Sensor Lead Assy (24.50")	all
V0021300	Safety Valve, Nat	2000, 5000, 4500	10449519	Hi Tension Lead (37")	all
V2001300	Safety Valve, Nat	5000, 4500	RL2005800	Burners, 2,000-5,000, 5 Pack	all
V0047800	Combination/Operating Gas Valve, On/Off, Nat	2200-5000	<i>*Consult Factory to Determine Correct Parts</i>		
V0047900	Combination/Operating Gas Valve, On/Off, Nat	2800/3050	<b>ELECTRICAL COMPONENTS</b>		
V0054900	Combination/Operating Gas Valve, 2-Stage, LP	2000, 4500, 5000	RE0014400	Control, Temp 100-240°F Auto Reset	
V0051400	Combination/Operating Gas Valve, 2-Stage, Nat	2200, 2450, 4500, 5000	E0093200	Operating Control/Thermostat, 2-Stage (130-230°F)	
V2001000	Combination/Operating Gas Valve, 2-Stage, Nat	2800/3050	RE0100900	Ignition Control, Electronic, Nat, Standing Pilot	
RV0051300	Valve Gas Combo 1-1/4 24V Nat 2-Stage		E2305400	Ignition Control, Electronic, Spark LP/CSD-1 (100% Lockout), Nat/LP	
W0002100	Manual Pilot Valve	all	E2305500	Ignition Control, Nat Spk, Continuous Retry	
V0026700	Regulator, 1/2" x 1/2" - Nat	2000	R0021300	Transformer, 40VA, 115/24V	
V0027000	Regulator, 2-1/2" x 2-1/2" - Nat	4500/5000	RE0015900	High Limit Kit, Manual Reset (Temp Ctrl, 100-225°F)	
V0048400	Motorized Valve Body - 2"		E0101800	Terminal Block 12 Position	
V0048500	Motorized Valve Body - 2-1/2"		E0076400	Temperature Controller, Modulating Outdoor Reset	
V0048600	Motorized Valve Body - 3"		E0082100	Low-Temp Ctrl, 2-Stage (0-110°F)	
V0048700	Modulating Actuator (120V)	all	E0086800	Toggle Switch	
V0048800	On/Off Actuator (120V)	all	E0109200	Toggle Switch, 3-Position (for EM2)	
V2000300	2-Stage Actuator (120V)	all	E0093800	Operating Control/Thermostat, Modulating	
W0002000	Pilot Regulator, Nat		E0098300	SPST Relay, 24 Volt Coil	
W0019300	Pilot Valve, Solenoid, Nat/LP		<b>COMBUSTION CHAMBER COMPONENTS - Base</b>		
RW0030000	Pilot Relay, Manual Reset		20067201	Base Weldment Assy	2000
E0023300	High Gas Pressure Switch		20067202	Base Weldment Assy	2450I/2200E
E0023500	Low Gas Pressure Switch		20067203	Base Weldment Assy	3050I/2800E
			20067204	Base Weldment Assy	3500I/3200E
			20067205	Base Weldment Assy	4050I/3600E
			20067206	Base Weldment Assy	4500I/4000E
			20067207	Base Weldment Assy	5000I/4500E
			20011001	Lower Base Assy	2000

# MegaTherm MT, Sizes 2,000,000-5,000,000

Part No.	Description	Size	Part No.	Description	Size
20011002	Lower Base Assy .....	2450I/2200E .....	20004902	Center Bar Support Assy .....	
20011003	Lower Base Assy .....	3050I/2800E .....	20005601	Center Heat Shield Panel .....	2000 .....
20011004	Lower Base Assy .....	3500I/3200E .....	20005602	Center Heat Shield Panel .....	2450I/2200E .....
20011005	Lower Base Assy .....	4050I/3600E .....	20005603	Center Heat Shield Panel .....	3050I/2800E .....
20011006	Lower Base Assy .....	4500I/4000E .....	20005604	Center Heat Shield Panel .....	3500I/3200E .....
20011007	Lower Base Assy .....	5000I/4500E .....	20005605	Center Heat Shield Panel .....	4050I/3600E .....
20011101	Rail Support Assy, End Tile, Left ..	all .....	20005606	Center Heat Shield Panel .....	4500I/4000E .....
20011102	Rail Support Assy, End Tile, Right	all .....	20005607	Center Heat Shield Panel .....	5000I/4500E .....
20102101	Gas Manifold Weldment (single inlet) .....	2000 .....	20005701	Center Heat Shield Assy .....	2000 .....
20102102	Gas Manifold Weldment (single inlet) .....	2450I/2200E .....	20005702	Center Heat Shield Assy .....	2450I/2200E .....
20102103	Gas Manifold Weldment (single inlet) .....	3050I/2800E .....	20005703	Center Heat Shield Assy .....	3050I/2800E .....
20102104	Gas Manifold Weldment (single inlet) .....	3500I/3200E .....	20005704	Center Heat Shield Assy .....	3500I/3200E .....
20102601	Gas Manifold Weldment (dual inlet)	2000 .....	20005705	Center Heat Shield Assy .....	4050I/3600E .....
20102602	Gas Manifold Weldment (dual inlet)	2450I/2200E .....	20005706	Center Heat Shield Assy .....	4500I/4000E .....
20102603	Gas Manifold Weldment (dual inlet)	3050I/2800E .....	20005707	Center Heat Shield Assy .....	5000I/4500E .....
20102604	Gas Manifold Weldment (dual inlet)	3500I/3200E .....	20002300	Tile end Shield, inner .....	all .....
20102605	Gas Manifold Weldment (dual inlet)	4050I/3600E .....	20005801	Tile Cover (qty 2) .....	2000 .....
20102606	Gas Manifold Weldment (dual inlet)	4500I/4000E .....	20005802	Tile Cover (qty 2) .....	2450I/2200E .....
20102607	Gas Manifold Weldment (dual inlet)	5000I/4500E .....	20005803	Tile Cover (qty 2) .....	3050I/2800E .....
20011401	Rear Tile Rail Assy .....	2000 .....	20005804	Tile Cover (qty 2) .....	3500I/3200E .....
20011402	Rear Tile Rail Assy .....	2450I/2200E .....	20005805	Tile Cover (qty 2) .....	4050I/3600E .....
20011403	Rear Tile Rail Assy .....	3050I/2800E .....	20005806	Tile Cover (qty 2) .....	4500I/4000E .....
20011404	Rear Tile Rail Assy .....	3500I/3200E .....	20005807	Tile Cover (qty 2) .....	5000I/4500E .....
20011405	Rear Tile Rail Assy .....	4050I/3600E .....	10533601	Saddle Assy End Tile (qty 2) .....	all .....
20011406	Rear Tile Rail Assy .....	4500I/4000E .....	20052701	Complete Tile Assy .....	2000 .....
20011407	Rear Tile Rail Assy .....	5000I/4500E .....	20052702	Complete Tile Assy .....	2450I/2200E .....
20011301	Front Tile Rail Assy .....	2000 .....	20052703	Complete Tile Assy .....	3050I/2800E .....
20011302	Front Tile Rail Assy .....	2450I/2200E .....	20052704	Complete Tile Assy .....	3500I/3200E .....
20011303	Front Tile Rail Assy .....	3050I/2800E .....	20052705	Complete Tile Assy .....	4050I/3600E .....
20011304	Front Tile Rail Assy .....	3500I/3200E .....	20052706	Complete Tile Assy .....	4500I/4000E .....
20011305	Front Tile Rail Assy .....	4050I/3600E .....	20052707	Complete Tile Assy .....	5000I/4500E .....
20011306	Front Tile Rail Assy .....	4500I/4000E .....	20052501	Complete Pyro Tile Assy (AP) .....	2000 .....
20011307	Front Tile Rail Assy .....	5000I/4500E .....	20052502	Complete Pyro Tile Assy (AP) .....	2450I/2200E .....
20012401	Rear Closure Assy .....	2000 .....	20052503	Complete Pyro Tile Assy (AP) .....	3050I/2800E .....
20012402	Rear Closure Assy .....	2450I/2200E .....	20052504	Complete Pyro Tile Assy (AP) .....	3500I/3200E .....
20012403	Rear Closure Assy .....	3050I/2800E .....	20052505	Complete Pyro Tile Assy (AP) .....	4050I/3600E .....
20012404	Rear Closure Assy .....	3500I/3200E .....	20052506	Complete Pyro Tile Assy (AP) .....	4500I/4000E .....
20012405	Rear Closure Assy .....	4050I/3600E .....	20052507	Complete Pyro Tile Assy (AP) .....	5000I/4500E .....
20012406	Rear Closure Assy .....	4500I/4000E .....	T2003800	End Tile, Left, .....	all .....
20012407	Rear Closure Assy .....	5000I/4500E .....	T2003802	End Tile, Left (AP) .....	all .....
<b>COMBUSTION CHAMBER COMPONENTS - Tile</b>			T2003900	End Tile, Right, .....	2000-5000 .....
20012101	Tile Heat Shield Assy (qty 2) .....	2000 .....	T2003902	Tile, Pyro, End, Right (AP) .....	all .....
20012102	Tile Heat Shield Assy (qty 2) .....	2450I/2200E .....	T2004000	Tile (17") .....	all .....
20012103	Tile Heat Shield Assy (qty 2) .....	3050I/2800E .....	T2004002	Spacer Tile Front & Rear (AP) .....	all .....
20012104	Tile Heat Shield Assy (qty 2) .....	3500I/3200E .....	T2006400	Tile (16") .....	2000, 2200, ..... 2450, 3200, ..... 3500, 3600, ..... 4050, 4500E, ..... 5000 .....
20012105	Tile Heat Shield Assy (qty 2) .....	4050I/3600E .....	T2006402	Tile, Pyro, Front & Rear See T2006400 models .....	
20012106	Tile Heat Shield Assy (qty 2) .....	4500I/4000E .....	T2006500	Tile (9") - 2800, 3050, 4000, 4500I .....	
20012107	Tile Heat Shield Assy (qty 2) .....	5000I/4500E .....	T2006502	Tile, Pyro, Front & Rear, Left See T2006500 models .....	
20003201	Heat Shield Support .....	2000 .....	T2006600	Tile (15.38") .....	2000 .....
20003202	Heat Shield Support .....	2450I/2200E .....	T2006602	Tile, Pyro, Front & Rear, Right .....	2000 .....
20003203	Heat Shield Support .....	3050I/2800E .....	T2006700	Tile (8.38") .....	2200/2450 .....
20003204	Heat Shield Support .....	3500I/3200E .....	T2006702	Tile, Pyro, Front & Rear, Right .....	2200/2450 .....
20003205	Heat Shield Support .....	4050I/3600E .....	T2006800	Tile (10.75") .....	2800/3050 .....
20003206	Heat Shield Support .....	4500I/4000E .....	T2006802	Tile, Pyro, Front & Rear, Right .....	2800/3050 .....
20003207	Heat Shield Support .....	5000I/4500E .....	T2006900	Tile (13.75") .....	3200/3500 .....
20004900	Center Support Assy .....		T2006902	Tile, Pyro, Front & Rear, Right .....	3200/3500 .....
20004901	End Bar Support Assy .....				



# MegaTherm MT, Sizes 2,000,000-5,000,000

Part No.	Description	Size	Part No.	Description	Size
T2007000	Tile (9.25") .....	3600,4050, 4000,45001 .....		<b>Copper tubes w/ bronze headers, a non-ferrous solution for systems w/ higher oxygen content. Especially suited for volume water applications w/ normal water hardness (7.5 to 17 grains hardness).</b>	
T2007002	Tile, Pyro, Front & Rear, Right see T2007000 models (AP) .....		BR021301	Tube Assy .....	2000 .....
T2007100	Tile (14.75") .....	4500E/5000 .....	BR021302	Tube Assy .....	2450I/2200E .....
T2007102	Tile, Pyro, Front & Rear, Right .....	4500E/5000 .....	BR021303	Tube Assy .....	3050I/2800E .....
20002600	End Tile Channel .....		BR021304	Tube Assy .....	3500I/3200E .....
20090101	Burner Retainer Weldment .....	2000 .....	BR021305	Tube Assy .....	4050I/3600E .....
20090102	Burner Retainer Weldment .....	2450I/2200E .....	BR021306	Tube Assy .....	4500I/4000E .....
20090103	Burner Retainer Weldment .....	3050I/2800E .....	BR021307	Tube Assy .....	5000I/4500E .....
20090104	Burner Retainer Weldment .....	3500I/3200E .....		<b>Cupronickel tubes w/ glass-lined headers, ideal for corrosive or softwater applications (under 7.5 grains hardness), or when hard water pumping creates higher tube velocities. Suitable for swimming pool heaters.</b>	
20090105	Burner Retainer Weldment .....	4050I/3600E .....	BR098901	Tube Assy .....	2000 .....
20090106	Burner Retainer Weldment .....	4500I/4000E .....	BR098902	Tube Assy .....	2450I/2200E .....
20090107	Burner Retainer Weldment .....	5000I/4500E .....	BR098903	Tube Assy .....	3050I/2800E .....
	<b>WATER SYSTEM</b>		BR098904	Tube Assy .....	3500I/3200E .....
	<b>Code Compliant ASME Heat Exchangers</b>		BR098905	Tube Assy .....	4050I/3600E .....
	<i>Built in accordance w/ the requirements of the ASME Boiler and Pressure Vessel Code. Individually serialized w/ H-4 data reports on file as required by section HG-520.2 and HG-531.</i>		BR098906	Tube Assy .....	4500I/4000E .....
20012801	Complete Heat Exchanger Assy (single pass, 18 tube) .....	2000 .....	BR098907	Tube Assy .....	5000I/4500E .....
20012802	Complete Heat Exchanger Assy (single pass, 18 tube) .....	2450I/2200E .....		<b>Cupronickel tubes w/ bronze headers, a non-ferrous solution for the most demanding systems. Suitable for higher oxygen hydronic systems, all volume water applications and swimming pool heaters.</b>	
20012803	Complete Heat Exchanger Assy (single pass, 18 tube) .....	3050I/2800E .....	BR021401	Tube Assy .....	2000 .....
20012804	Complete Heat Exchanger Assy (single pass, 18 tube) .....	3500I/3200E .....	BR021402	Tube Assy .....	2450I/2200E .....
20012805	Complete Heat Exchanger Assy (single pass, 18 tube) .....	4050I/3600E .....	BR021403	Tube Assy .....	3050I/2800E .....
20012806	Complete Heat Exchanger Assy (single pass, 18 tube) .....	4500I/4000E .....	BR021404	Tube Assy .....	3500I/3200E .....
20012807	Complete Heat Exchanger Assy (single pass, 18 tube) .....	5000I/4500E .....	BR021405	Tube Assy .....	4050I/3600E .....
R20001301	Heat Exch 18 Tube Cop/Glass .....	2000 .....	BR021406	Tube Assy .....	4500I/4000E .....
20001302	Complete Heat Exchanger Assy (double pass, 18 Tube) .....	2450I/2200E .....	BR021407	Tube Assy .....	5000I/4500E .....
20001303	Complete Heat Exchanger Assy (double pass, 18 Tube) .....	3050I/2800E .....	S0095300	Header Gasket (2 req) .....	all .....
20001304	Complete Heat Exchanger Assy (double pass, 18 Tube) .....	3500I/3200E .....	20230102	Water Barrier .....	all .....
20001305	Complete Heat Exchanger Assy (double pass, 18 Tube) .....	4050I/3600E .....	RE2075100	Low Water Cut Off, Manual Reset, 120 VDC .....	
R20001306	Heat Exch 18 Tube Cop/Glass .....	4500I/4000E .....	RE0013000	Flow Switch Kit (outdoor) .....	
20001307	Complete Heat Exchanger Assy (double pass, 18 Tube) .....	5000I/4500E .....	E0013100	Flow Switch (indoor) .....	
	<b>Code Compliant ASME Tube Assemblies</b>		RE2058300	Immersion Well (nickel plated) Kit .....	
	<i>Built in accordance w/ the requirements of the ASME Boiler and Pressure Vessel Code. Individually serialized w/ H-4 data reports on file as required by section HG-520.2 and HG-531.</i>		E0025900	Immersion Well (non-plated) .....	
	<b>Copper tubes and glass-lined headers, ideal for hydronic or other closed loop, low oxygen content systems. Performs well w/ normal water (7.5 to 17 grains hardness) in volume water applications.</b>		E0026400	Immersion Well (stainless) .....	
BR010801	Tube Assy .....	2000 .....	A0063500	Pressure Relief Valve 125#, 3/4" x 3/4" .....	2000 .....
BR010802	Tube Assy .....	2450I/2200E .....	A0000400	Pressure Relief Valve 125#, 1" x 1" .....	2200-3200 .....
BR010803	Tube Assy .....	3050I/2800E .....	A0000200	Pressure Relief Valve 125#, 1-1/4" x 1-1/4" .....	3500-5000 .....
BR010804	Tube Assy .....	3500I/3200E .....	A0002700	Pressure Relief Valve 75#, 1" x 1-1/4" .....	2000-2450 .....
BR010805	Tube Assy .....	4050I/3600E .....	A0000300	Pressure Relief Valve 75#, 1-1/4" x 1-1/2" .....	2800-4050 .....
BR010806	Tube Assy .....	4500I/4000E .....	A2080000	Pressure Relief Valve 75#, 1-1/2" x 2" .....	4500-5000 .....
BR010807	Tube Assy .....	5000I/4500E .....	20081601	Flow Control Assy (AP) .....	2000-2450 .....
			20081602	Flow Control Assy (AP) .....	3050-3500 .....
			20081603	Flow Control Assy (AP) .....	4050-5000 .....
			S2000200	Casting, Flow Control (AP) .....	all .....
			10416200	In/Outlet Header (double pass) .....	all .....
			20021000	In/Outlet Header, Bronze (single pass) .....	all .....
			S0095600	Flange Gasket (2 req) .....	all .....

# MegaTherm MT, Sizes 2,000,000-5,000,000

Part No.	Description	Size	Part No.	Description	Size
10417400	Flange, 4" cast iron (2 req) .....	all .....	20011607	Lower Panel Assy	
10416100	Return Header (double pass) .....	all .....		Front & Rear (2 req) .....	5000I/4500E .....
20021100	Return Header, Bronze (double pass) .....	all .....	20006401	Front & Rear Closure (2 req) .....	2000 .....
10416700	Return Header (single pass) .....	all .....	20006402	Front & Rear Closure (2 req) .....	2450I/2200E .....
20010901	Baffle W/Bracket (68 req) .....	2000 .....	20006403	Front & Rear Closure (2 req) .....	3050I/2800E .....
20010902	Baffle W/Bracket (68 req) .....	2450I/2200E .....	20006404	Front & Rear Closure (2 req) .....	3500I/3200E .....
20010903	Baffle W/Bracket (68 req) .....	3050I/2800E .....	20006405	Front & Rear Closure (2 req) .....	4050I/3600E .....
20010904	Baffle W/Bracket (102 req) .....	3500I/3200E .....	20006406	Front & Rear Closure (2 req) .....	4500I/4000E .....
20010905	Baffle W/Bracket (102 req) .....	4050I/3600E .....	20006407	Front & Rear Closure (2 req) .....	5000I/4500E .....
20010906	Baffle W/Bracket (102 req) .....	4500I/4000E .....	20004301	Front Lower Closure .....	2000 .....
20010907	Baffle W/Bracket (102 req) .....	5000I/4500E .....	20004302	Front Lower Closure .....	2450I/2200E .....
10534310	Front & Rear HX Baffle .....	2000 .....	20004303	Front Lower Closure .....	3050I/2800E .....
10534306	Front & Rear HX Baffle .....	2450I/2200E .....	20004304	Front Lower Closure .....	3500I/3200E .....
10534312	Front & Rear HX Baffle (4 req) .....	3050I/2800E .....	20004305	Front Lower Closure .....	4050I/3600E .....
10534313	Front & Rear HX Baffle (4 req) .....	3500I/3200E .....	20004306	Front Lower Closure .....	4500I/4000E .....
10534314	Front & Rear HX Baffle (6 req) .....	4050I/3600E .....	20004307	Front Lower Closure .....	5000I/4500E .....
10534315	Front & Rear HX Baffle (6 req) .....	4500I/4000E .....	20016301	Lower Rear Closure Assy .....	2000 .....
10534308	Front & Rear HX Baffle (6 req) .....	5000I/4500E .....	20016302	Lower Rear Closure Assy .....	2450I/2200E .....
20012501	Inside Baffle Assy (indoor) .....	2000 .....	20016303	Lower Rear Closure Assy .....	3050I/2800E .....
20012502	Inside Baffle Assy (indoor) .....	2450 .....	20016304	Lower Rear Closure Assy .....	3500I/3200E .....
20012503	Inside Baffle Assy (indoor) .....	3050 .....	20016305	Lower Rear Closure Assy .....	4050I/3600E .....
20012504	Inside Baffle Assy (indoor) .....	3500 .....	20016306	Lower Rear Closure Assy .....	4500I/4000E .....
20012505	Inside Baffle Assy (indoor) .....	4050 .....	20016307	Lower Rear Closure Assy .....	5000I/4500E .....
20012506	Inside Baffle Assy (indoor) .....	4500 .....	20011900	Upper End Panel Assy (2 req) .....	all .....
20012507	Inside Baffle Assy (indoor) .....	5000 .....	20011800	Lower End Panel Assy (2 req) .....	all .....
20012509	Inside Baffle Assy (outdoor) .....	2200 .....	20011200	Control Box Cover Top .....	
20012510	Inside Baffle Assy (outdoor) .....	2800 .....	20058502	Commercial Control Box Cover .....	
20012511	Inside Baffle Assy (outdoor) .....	3200 .....	20300600	Weldment Control Box .....	
20012512	Inside Baffle Assy (outdoor) .....	3600 .....	20061402	Commercial Control Box .....	
20012513	Inside Baffle Assy (outdoor) .....	4000 .....	20097500	Control Mounting Panel Assy .....	
20012514	Inside Baffle Assy (outdoor) .....	4500 .....			
20011501	Flue Panel Assy Front & Rear (2 req) .....	2000 .....			
20011502	Flue Panel Assy Front & Rear (2 req) .....	2450I/2200E .....			
20011503	Flue Panel Assy Front & Rear (2 req) .....	3050I/2800E .....			
20011504	Flue Panel Assy Front & Rear (2 req) .....	3500I/3200E .....			
20011505	Flue Panel Assy Front & Rear (2 req) .....	4050I/3600E .....			
20011506	Flue Panel Assy Front & Rear (2 req) .....	4500I/4000E .....			
20011507	Flue Panel Assy Front & Rear (2 req) .....	5000I/4500E .....			
20012000	Flue End Assy (2 req) .....	all .....			
20032401	Baffle Support Strap (indoor) .....	3500-5000 .....			
20032402	Baffle Support Strap (outdoor) .....	3200-4500 .....			
<b>JACKET COMPONENTS</b>			<b>INDOOR PARTS</b>		
20011601	Lower Panel Assy Front & Rear (2 req) .....	2000 .....	20011701	Upper Panel Assy Front & Rear (2 req) .....	2000 .....
20011602	Lower Panel Assy Front & Rear (2 req) .....	2450I/2200E .....	20011702	Upper Panel Assy Front & Rear (2 req) .....	2450I/2200E .....
20011603	Lower Panel Assy Front & Rear (2 req) .....	3050I/2800E .....	20011703	Upper Panel Assy Front & Rear (2 req) .....	3050I/2800E .....
20011604	Lower Panel Assy Front & Rear (2 req) .....	3500I/3200E .....	20011704	Upper Panel Assy Front & Rear (2 req) .....	3500I/3200E .....
20011605	Lower Panel Assy Front & Rear (2 req) .....	4050I/3600E .....	20011705	Upper Panel Assy Front & Rear (2 req) .....	4050I/3600E .....
20011606	Lower Panel Assy Front & Rear (2 req) .....	4500I/4000E .....	20011706	Upper Panel Assy Front & Rear (2 req) .....	4500I/4000E .....
			20011707	Upper Panel Assy Front & Rear (2 req) .....	5000I/4500E .....
			20012201	Flue Diverter Assy .....	2000 .....
			20012202	Flue Diverter Assy .....	2450I/2200E .....
			20012203	Flue Diverter Assy .....	3050I/2800E .....
			20012204	Flue Diverter Assy .....	3500I/3200E .....
			20012205	Flue Diverter Assy .....	4050I/3600E .....
			20012206	Flue Diverter Assy .....	4500I/4000E .....
			20012207	Flue Diverter Assy .....	5000I/4500E .....
			20006301	Upper Wing Front, Left (2 req) .....	all .....
			20006302	Upper Wing Front, Right (2 req) .....	all .....
			20012301	Top Panel Assy .....	2000 .....
			20012302	Top Panel Assy .....	2450I/2200E .....
			20012303	Top Panel Assy .....	3050I/2800E .....
			20012304	Top Panel Assy .....	3500I/3200E .....
			20012305	Top Panel Assy .....	4050I/3600E .....
			20012306	Top Panel Assy .....	4500I/4000E .....
			20012307	Top Panel Assy .....	5000I/4500E .....

# MegaTherm AP, Sizes 2,000,000-5,000,000

Part No.	Description	Size	Part No.	Description	Size
20013801	Draft Hood Relief Baffle, Right .....		20016202	Lower Front Closure Assy .....	
20013802	Draft Hood Relief Baffle, Right .....		20016203	Lower Front Closure Assy .....	
20013803	Draft Hood Relief Baffle, Right .....		20016204	Lower Front Closure Assy .....	
20013804	Draft Hood Relief Baffle, Right .....		20016205	Lower Front Closure Assy .....	
20013805	Draft Hood Relief Baffle, Left .....		20016206	Lower Front Closure Assy .....	
20013806	Draft Hood Relief Baffle, Left .....		20016207	Lower Front Closure Assy .....	
20013807	Draft Hood Relief Baffle, Left .....		20017202	Upper Wind Baffle Front & Rear (qty 2) .....	
20013808	Draft Hood Relief Baffle, Left .....		20017203	Upper Wind Baffle Front & Rear (qty 2) .....	
20066402	Lower Rear Base Panel (qty 2) ..... 2450I/2200E .....		20017204	Upper Wind Baffle Front & Rear (qty 2) .....	
20066403	Lower Rear Base Panel (qty 3) ..... 3050I/2800E .....		20017205	Upper Wind Baffle Front & Rear (qty 2) .....	
20066404	Lower Rear Base Panel (qty 4) ..... 3500I/3200E .....		20017206	Upper Wind Baffle Front & Rear (qty 2) .....	
20066405	Lower Rear Base Panel (qty 5) ..... 4050I/3600E .....		20017207	Upper Wind Baffle Front & Rear (qty 2) .....	
20066406	Lower Rear Base Panel (qty 6) ..... 4500I/4000E .....		20017302	Middle Rear Wind Baffle .....	
20066407	Lower Rear Base Panel (qty 7) ..... 5000I/4500E .....		20017303	Middle Rear Wind Baffle .....	
			20017304	Middle Rear Wind Baffle .....	
			20017305	Middle Rear Wind Baffle .....	
			20017306	Middle Rear Wind Baffle .....	
			20017307	Middle Rear Wind Baffle .....	
			20015202	Rear Inner Baffle .....	
			20015203	Rear Inner Baffle .....	
			20015204	Rear Inner Baffle .....	
			20015205	Rear Inner Baffle .....	
			20015206	Rear Inner Baffle .....	
			20015207	Rear Inner Baffle .....	
			20015302	Front Inner Baffle .....	
			20015303	Front Inner Baffle .....	
			20015304	Front Inner Baffle .....	
			20015305	Front Inner Baffle .....	
			20015306	Front Inner Baffle .....	
			20015307	Front Inner Baffle .....	
			20022202	Inner, Front, Left Baffle (single inlet manifold sys) ..... 2200/2450 .....	
			20022203	Inner, Front, Left Baffle (single inlet manifold sys) ..... 2800/3050 .....	
			20022204	Inner, Front, Left Baffle (single inlet manifold sys) ..... 3200/3500 .....	
			20024002	Baffle, Right (single inlet sys) ..... 2450I/2200E .....	
			20024003	Baffle, Right (single inlet sys) ..... 3050I/2800E .....	
			20024004	Baffle, Right (single inlet sys) ..... 3500I/3200E .....	
			20022002	Baffle, Left (double inlet manifold sys) ..... 2450I/2200E .....	
			20022003	Baffle, Left (double inlet manifold sys) ..... 3050I/2800E .....	
			20022004	Baffle, Left (double inlet manifold sys) ..... 3500I/3200E .....	
			20022005	Baffle, Left (double inlet manifold sys) ..... 4050I/3600E .....	
			20022006	Baffle, Left (double inlet manifold sys) ..... 4500I/4000E .....	
			20022007	Baffle, Left (double inlet manifold sys) ..... 5000I/4500E .....	
			20022102	Inner, Front, Right Baffle (double inlet manifold sys) ..... 2450I/2200E .....	
			20022103	Inner, Front, Right Baffle (double inlet manifold sys) ..... 3050I/2800E .....	
			20022104	Inner, Front, Right Baffle (double inlet manifold sys) ..... 3500I/3200E .....	
			20022105	Inner, Front, Right Baffle (double inlet manifold sys) ..... 4050I/3600E .....	
			20022106	Inner, Front, Right Baffle (double inlet manifold sys) ..... 4500I/4000E .....	
			20022107	Inner, Front, Right Baffle (double inlet manifold sys) ..... 5000I/4500E .....	

## OUTDOOR PARTS

20017102	Rear Top Half Panel .....
20017103	Rear Top Half Panel .....
20017104	Rear Top Half Panel .....
20017105	Rear Top Half Panel .....
20017106	Rear Top Half Panel .....
20017107	Rear Top Half Panel .....
20016902	Front Top Half Panel .....
20016903	Front Top Half Panel .....
20016904	Front Top Half Panel .....
20016905	Front Top Half Panel .....
20016906	Front Top Half Panel .....
20016907	Front Top Half Panel .....
20016502	Upper Rear Panel .....
20016503	Upper Rear Panel .....
20016504	Upper Rear Panel .....
20016505	Upper Rear Panel .....
20016506	Upper Rear Panel .....
20016507	Upper Rear Panel .....
20016602	Middle Rear Panel .....
20016603	Middle Rear Panel .....
20016604	Middle Rear Panel .....
20016605	Middle Rear Panel .....
20016606	Middle Rear Panel .....
20016607	Middle Rear Panel .....
20014301	Rear End Panel, Left .....
20014302	Rear End Panel, Right .....
20014601	Front End Panel Assy, Right .....
20014602	Front End Panel Assy, Left .....
20018002	Removable Front Panel Assy .....
20018003	Removable Front Panel Assy .....
20018004	Removable Front Panel Assy .....
20018005	Removable Front Panel Assy .....
20018006	Removable Front Panel Assy .....
20018007	Removable Front Panel Assy .....
20016102	Upper Front Panel Assy .....
20016103	Upper Front Panel Assy .....
20016104	Upper Front Panel Assy .....
20016105	Upper Front Panel Assy .....
20016106	Upper Front Panel Assy .....
20016107	Upper Front Panel Assy .....
20016302	Lower Rear Closure Assy .....
20016303	Lower Rear Closure Assy .....
20016304	Lower Rear Closure Assy .....
20016305	Lower Rear Closure Assy .....
20016306	Lower Rear Closure Assy .....
20016307	Lower Rear Closure Assy .....

# MegaTherm AP, Sizes 2,000,000-5,000,000

Part No.	Description	Size	Part No.	Description	Size
20069400	Baffle Center Strap .....	3200/5000 .....	<b>CROSS REFERENCE FOR NO LONGER AVAILABLE P/N'S</b>		
20015101	Flue End Assy, Left .....	all .....	20001301	Complete Heat Exchanger Assy (double pass, 18 tube) - NLA .....	use K20001301
20015102	Flue End Assy, Right .....	all .....	20001306	Complete Heat Exchanger Assy - NLA .....	use R20001306
20016702	Flue Panel Rear .....	2450I/2200E .....	20047801	Complete Pilot Assy - Spark, Nat. - NLA .....	use K20047801
20016703	Flue Panel Rear .....	3050I/2800E .....	E0013000	Flow Switch,outdoor - NLA	
20016704	Flue Panel Rear .....	3500I/3200E .....	E0014400	Operating Control/Thermostat, On/Off (100-240 F) - NLA .....	use KE0014400
20016705	Flue Panel Rear .....	4050I/3600E .....	E0015900	High Limit Switch, Manual Reset (Temp Ctrl, 100-225 F) - NLA	
20016706	Flue Panel Rear .....	4500I/4000E .....	E0086100	Transformer, 40VA - NLA .....	use R0021300
20016707	Flue Panel Rear .....	5000I/4500E .....	E0100900	Ignition Control, Electronic, Nat - NLA .....	use KE0100900
20015001	Flue End Ext, Front Left .....	all .....	E2033900	Ignition Control, Electronic. Spark LP/CSD-1 (100% Lockout) - NLA .....	use KE2033900
20015002	Flue End Ext, Front Right .....	all .....	E2058300	Well, Aquastat - NLA	
20016802	Flue Panel Front .....	2450I/2200E .....	E2075100	Low Water Cut Off - NLA .....	use RE2075100
20016803	Flue Panel Front .....	3050I/2800E .....	L2005800	Burners - Newer style LB - NLA .....	use KL2005800
20016804	Flue Panel Front .....	3500I/3200E .....	V0046700	Safety Gas Valve - 4-Stage, Nat/LP - NLA	
20016805	Flue Panel Front .....	4050I/3600E .....	V0051300	Combination/Operating Gas Valve, 2-Stage, Nat - NLA .....	use KV0051300
20016806	Flue Panel Front .....	4500I/4000E .....	W0030000	Relay, Shut Off - NLA .....	use KW0030000
20016807	Flue Panel Front .....	5000I/4500E .....	W0034300	Pilot, HW, IID, Nat - NLA .....	use KW0034300
20013700	Control Mounting Panel .....	all .....	W0034500	Pilot, JC, IID, Nat - NLA .....	use KW0034500
20017700	Rear Middle Stand-Off .....				
20017600	Upper Stand-Off Assy, Front & Rear .....				
20061104	Junction Box Cover .....	all .....			
20013001	Boiler Top Support Assy .....	2200-3050 .....			
20013002	Boiler Top Support Assy .....	3200-4050 .....			
20013003	Boiler Top Support Assy .....	4000-5000 .....			
20018202	Screen Retaining Angle .....	2450I/2200E .....			
20018203	Screen Retaining Angle .....	3050I/2800E .....			
20018204	Screen Retaining Angle .....	3500I/3200E .....			
20018205	Screen Retaining Angle .....	4050I/3600E .....			
20018206	Screen Retaining Angle .....	4500I/4000E .....			
20018207	Screen Retaining Angle .....	5000I/4500E .....			
20018302	Screen Retaining Strap .....	2450I/2200E .....			
20018303	Screen Retaining Strap .....	3050I/2800E .....			
20018304	Screen Retaining Strap .....	3500I/3200E .....			
20018305	Screen Retaining Strap .....	4050I/3600E .....			
20018306	Screen Retaining Strap .....	4500I/4000E .....			
20018307	Screen Retaining Strap .....	5000I/4500E .....			
20018400	Front Stiffener .....	all .....			
20018602	Upper Front & Rear Mesh Screen .....	2450I/2200E .....			
20018603	Upper Front & Rear Mesh Screen .....	3050I/2800E .....			
20018604	Upper Front & Rear Mesh Screen .....	3500I/3200E .....			
20018605	Upper Front & Rear Mesh Screen .....	4050I/3600E .....			
20018606	Upper Front & Rear Mesh Screen .....	4500I/4000E .....			
20018607	Upper Front & Rear Mesh Screen .....	5000I/4500E .....			

# MegaTherm Model MT

## Gas Orifice Size Chart

Sizes 500,000 - 5,000,000 BTU/h

MODEL & SIZE>		INDOOR/OUTDOOR 500-1825		INDOOR 2000-5000		OUTDOOR 2200-4500	
GAS>		NATURAL	PROPANE	NATURAL	PROPANE	NATURAL	PROPANE
<b>A</b>	0 - 2000	L0050700		L2002200	L2011300	L2006400	L2002600
		#44		#20	#35	#24	#37
<b>L</b>	2001 - 3000		L0032900	L2006100			
			#54	#23	L2002500	L2006700	L2002700
<b>T</b>					#36		
<b>I</b>	3001 - 4000	L0032600		L006400		#26	#38
		#45		#24			
<b>T</b>	4001 - 5000			L2006700	L002600	L2007000	L2002800
				#26	#37	#27	#38
<b>U</b>							
<b>D</b>	5001 - 6000	L0050200		L2007000			L2008100
		#46	L0032800	#27	L2002700	L2007600	#40
<b>E</b>	6001 - 7000	L0050300	#55	L2007300	#38	#29	L2002900
		#47		#28			#41
<b>F</b>	7001 - 8000			L2007600	L2002800		
				#29	#39	L2007900	L2005300
<b>E</b>	8001 - 9000	L0050400				#30	#42
		#48	L0032700	L2007900	L2002900		
<b>T</b>	9001 - 10000		#56	#30	#41		
						L2008000	L2005400
						#31	#43

### NUMBER OF ORIFICES

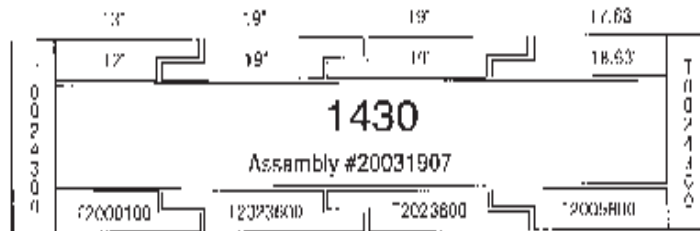
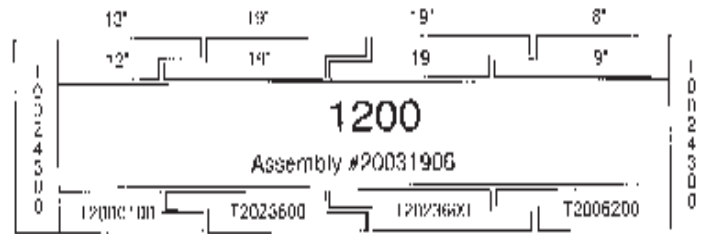
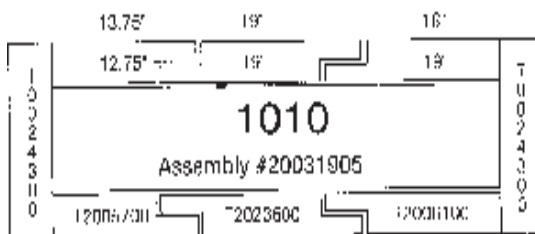
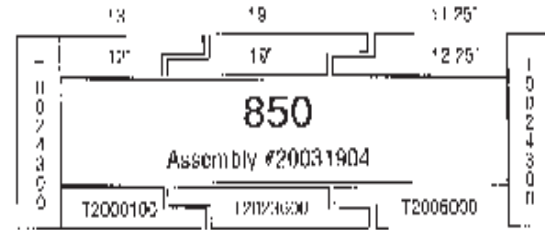
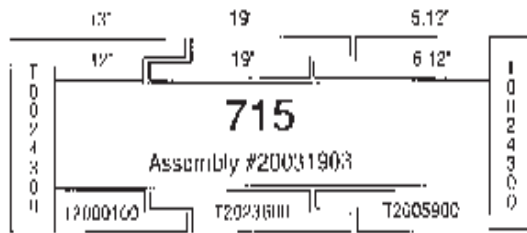
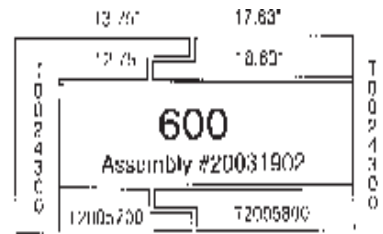
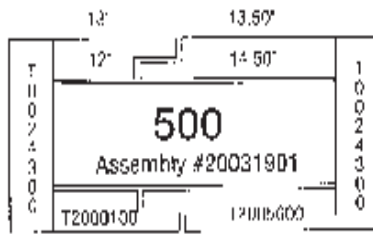
Sizes	500 I/E	600 I/E	715 I/E	850 I/E	1010 I/E	1200 I/E	1430 I/E	1670 I/E	1825 I/E
Orifices	22	26	30	36	42	50	60	70	76
<b>Size</b>	<b>2000 I</b>	<b>2450 I</b> <b>2200 E</b>	<b>3050 I</b> <b>2800 E</b>	<b>3500 I</b> <b>3200 E</b>	<b>4050 I</b> <b>3600 E</b>	<b>4500 I</b> <b>4000 E</b>	<b>5000 I</b> <b>4500 E</b>		
Orifices	23	28	34	39	46	50	56		

**Note:** Models 2000-5000 that were built in or before 1991 may have fewer burners/orifices than listed, and the factory must be consulted.

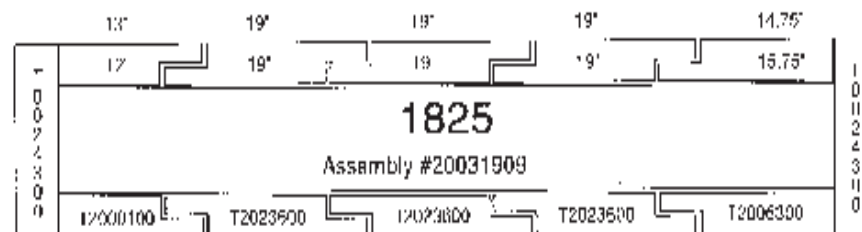
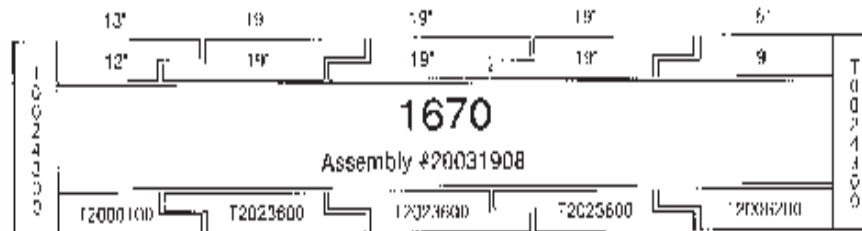
# Tile Assemblies - MT

(AP After April 1999)

Sizes 500,000 - 1,825,000 (Cement Tile)



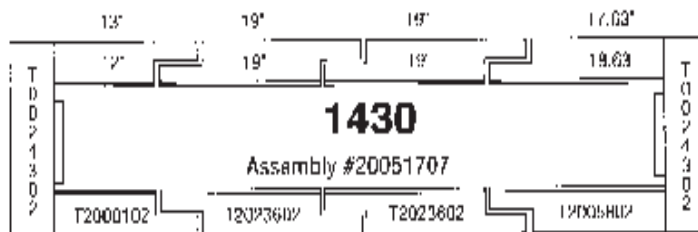
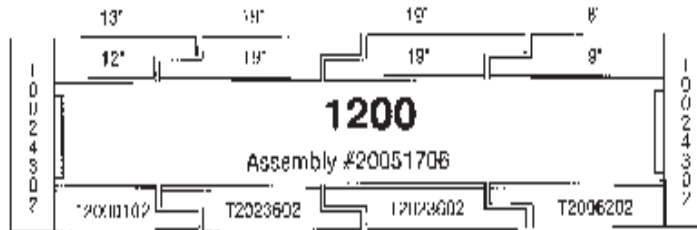
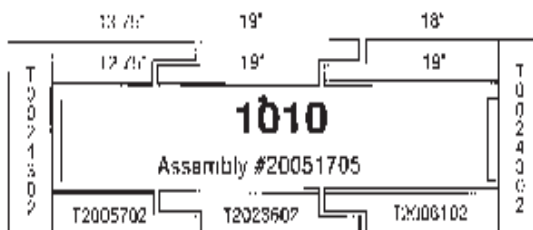
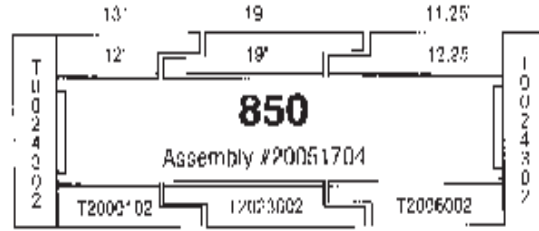
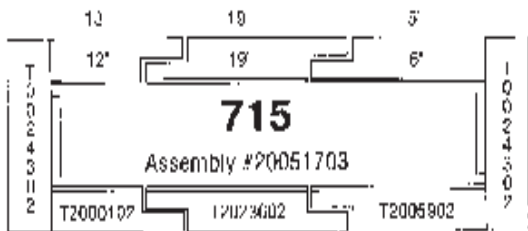
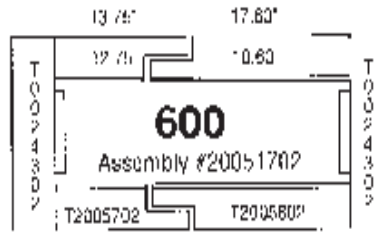
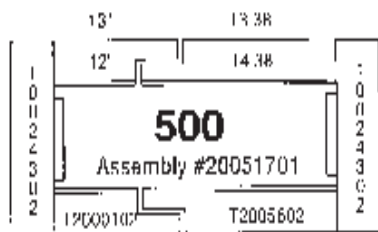
When ordering tiles: Assembly number is for all tiles. Part numbers shown at front of unit are the same for rear tiles.



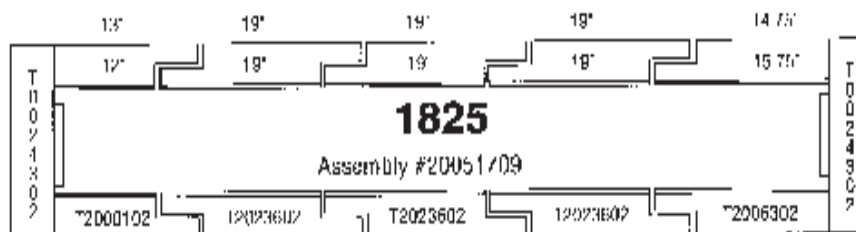
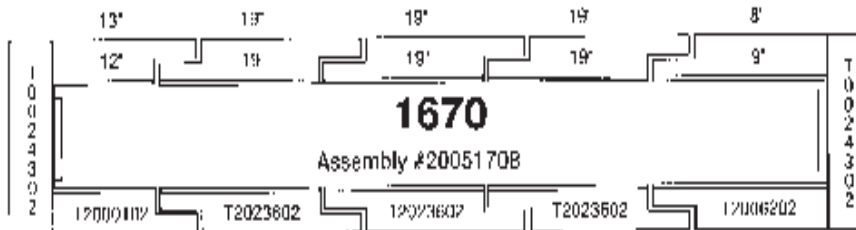
# Tile Assemblies - MT

(AP Units Before April 1999)

Sizes 500,000 - 1,825,000 (Pyro Tile)

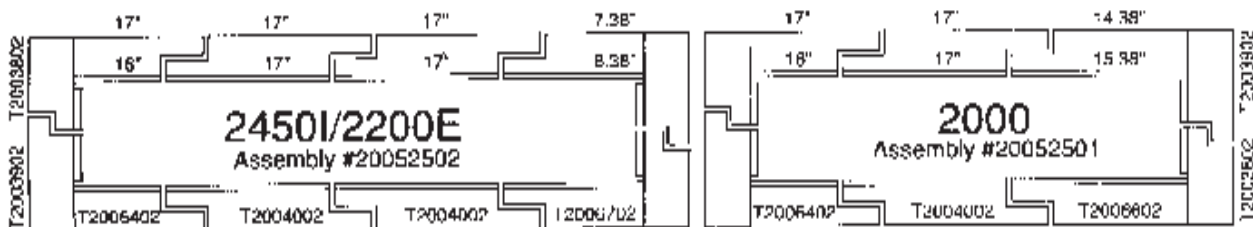
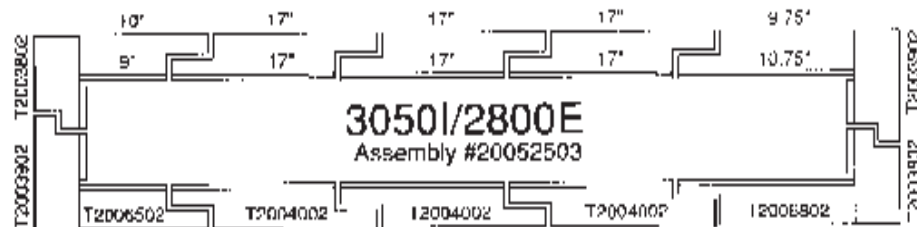
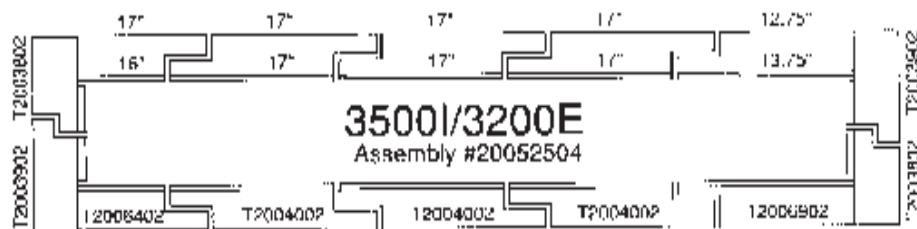
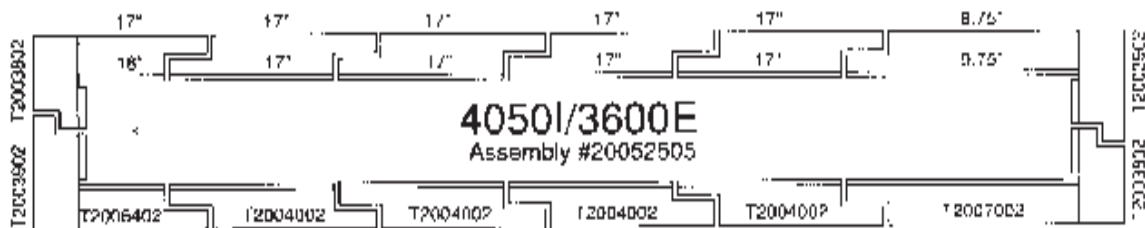
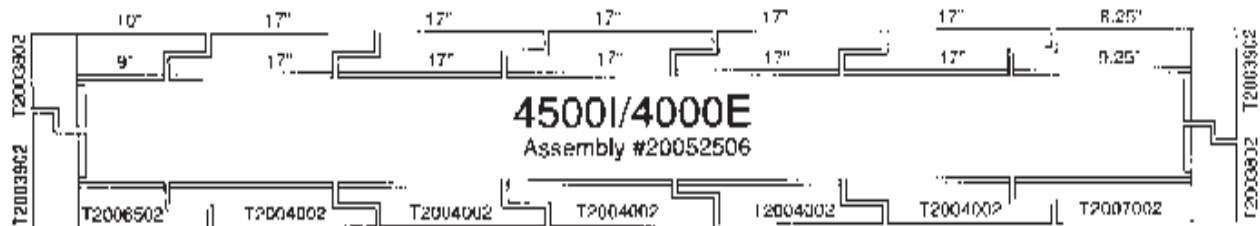
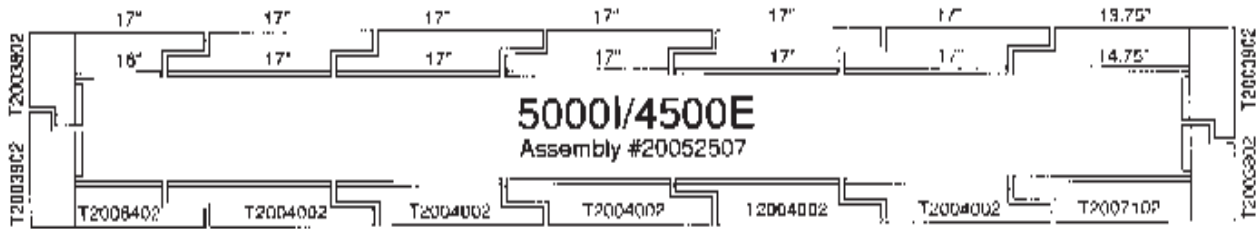


When ordering tiles: Assembly number is for all tiles. Part numbers shown at front of unit are the same for rear tiles.



# Tile Assemblies - MT

Sizes 2,000,000 - 5,000,000 (Pyro Tile)



I=Indoor, E=Outdoor



# PowerMax PM

Sizes 500,000 - 2,000,000 BTU/h

Part No.	Description	Size	Part No.	Description	Size
<b>COMBUSTION CHAMBER COMPONENTS</b>					
5C2600	Chamber Assy, Left, Bottom .....	500-2000 .....	T2017400	Tile, Bottom, Left (1500, 2000 use 2) .....	750-2000 .....
5C2200	Chamber Assy, Right, Bottom .....	500-2000 .....	T2016500	Tile, Bottom, Right .....	750 .....
5C2003	Chamber, Front Panel, inside plenum 500 .....		T2018000	Tile, Bottom, Right .....	1250/1750 .....
7C2003	Chamber, Front Panel, inside plenum 750 .....		T2015900	Tile, Bottom, Middle (1750, 2000 use 2) .....	1250-2000 .....
10C2003	Chamber, Front Panel, inside plenum 1000 .....		T2017300	Tile, Front .....	500 .....
12C2003	Chamber, Front Panel, inside plenum 1250 .....		T2016200	Tile, Front, Left .....	750 .....
15C2003	Chamber, Front Panel, inside plenum 1500 .....		T2016300	Tile, Front, Right .....	750 .....
17C2003	Chamber, Front Panel, inside plenum 1750 .....		T2016800	Tile, Front, Left .....	1000-2000 .....
20C2003	Chamber, Front Panel, inside plenum 2000 .....		T2017900	Tile, Front, Right .....	1250/1750 .....
5C2006	Chamber, Rear Panel .....	500 .....	T2017100	Tile, Front, Right .....	1000/1500/2000 .....
7C2006	Chamber, Rear Panel .....	750 .....	T2016900	Tile, Front, Center (1750, 2000 use 2) .....	1250-2000 .....
10C2006	Chamber, Rear Panel .....	1000 .....	T2015700	Tile, Rear .....	500 .....
12C2006	Chamber, Rear Panel .....	1250 .....	T2016600	Tile, Rear, Left (1000, 1500, 2000 use 2) .....	750-2000 .....
15C2006	Chamber, Rear Panel .....	1500 .....	T2017500	Tile, Rear, Right .....	750 .....
17C2006	Chamber, Rear Panel .....	1750 .....	T2018100	Tile, Rear, Right .....	1250/1750 .....
20C2006	Chamber, Rear Panel .....	2000 .....	T2017200	Tile, Rear, Center (1750, 2000 use 2) .....	1250-2000 .....
5C2002	Chamber, Side, Top .....	500-2000 .....	<b>GAS TRAIN / COMBUSTION AIR COMPONENTS</b>		
5C2001	Chamber, Top .....	500 .....	R2014700	Air Filter .....	500-2000 .....
7C2001	Chamber, Top .....	750 .....	A2108900	Blower .....	500-2000 .....
10C2001	Chamber, Top .....	1000 .....	L2012200	Burner Assy, 3 Burners .....	500/750/ 1250-1750 .....
12C2001	Chamber, Top .....	1250 .....	L2012500	Burner Assy, 4 Burners .....	1000/1500-2000 .....
15C2001	Chamber, Top .....	1500 .....	S2012700	Gasket, Burner Assy, 3 Burners ...	500/750/1500 .....
17C2001	Chamber, Top .....	1750 .....	S2012500	Gasket, Burner Assy, 4 Burners ...	1000-2000 .....
20C2001	Chamber, Top .....	2000 .....	5C6100	Manifold, Gas Supply, Top Weldment Pipe .....	500 .....
5C2009	Bracket, Front .....	500 .....	7C6100	Manifold, Gas Supply, Top Weldment Pipe .....	750 .....
7C2009	Bracket, Front .....	750 .....	10C6100	Manifold, Gas Supply, Top Weldment Pipe .....	1000 .....
10C2009	Bracket, Front .....	1000 .....	15C6100	Manifold, Gas Supply, Top Weldment Pipe .....	1500 .....
12C2009	Bracket, Front, Right Side .....	1250 .....	20C6100	Manifold, Gas Supply, Top Weldment Pipe .....	2000 .....
12C2011	Bracket, Front, Left Side .....	1250 .....	L2012900	Manifold, Gas, Lower, Holds 3 Orifices, Right .....	500-750/1250-1750 .....
15C2009	Bracket, Front, Right Side .....	1500 .....	L2012800	Manifold, Gas, Lower, Holds 3 Orifices, Left .....	500-750/1250-1750 .....
15C2011	Bracket, Front, Left Side .....	1500 .....	L2012700	Manifold, Gas, Lower, Holds 4 Orifices, Right .....	1000/500-2000 .....
17C2009	Bracket, Front, Right Side .....	1750 .....	L2012600	Manifold, Gas, Lower, Holds 4 Orifices, Left .....	1000/500-2000 .....
17C2011	Bracket, Front, Left Side .....	1750 .....	L2013000	Orifice, Gas, Nat .....	500-2000 .....
20C2009	Bracket, Front, Right Side .....	2000 .....	L2012400	Orifice, Gas, Propane .....	500-2000 .....
20C2011	Bracket, Front, Left Side .....	2000 .....	V2003100	Valve, Ball .....	500-2000 .....
5C2004	Cover, Comb. Air Chamber .....	500 .....	V2016000	Valve, Gas, Combination .....	500-2000 .....
7C2004	Cover, Comb. Air Chamber .....	750 .....	V2000200	Valve, Manual Shutoff .....	500-2000 .....
10C2004	Cover, Comb. Air Chamber .....	1000 .....	R2004000	High Gas Pressure Switch .....	500-2000 .....
12C2010	Cover, Comb. Air Chamber, Left ...	1250 .....	R2004100	Low Gas Pressure Switch .....	500-2000 .....
12C2008	Cover, Comb. Air Chamber, Right	1250 .....			
15C2004	Cover, Comb. Air Chamber (2 used)	1500 .....			
17C2010	Cover, Comb. Air Chamber, Left ...	1750 .....			
17C2008	Cover, Comb. Air Chamber, Right	1750 .....			
20C2010	Cover, Comb. Air Chamber, Left ...	2000 .....			
20C2008	Cover, Comb. Air Chamber, Right	2000 .....			
15C2002	Divider, Chamber, Front .....	1250-1500 .....			
20C2002	Divider, Chamber, Front .....	1750-2000 .....			
5C2005	Door, Comb. Air Chamber Access (1 or 2 used) .....	500-2000 .....			
5C2007	Exhaust Plenum .....	500-750 .....			
10C2007	Exhaust Plenum .....	1000 .....			
20C2007	Exhaust Plenum .....	1250-2000 .....			
T2015600	Tile, Side, Left and Right .....	500-2000 .....			
T2015500	Tile, Bottom .....	500 .....			

# PowerMax PM

Part No.	Description	Size
<b>ELECTRICAL COMPONENTS</b>		
E2105500	Diagnostic Board .....	500-2000 .....
R2027700	Relay, 10A, for Diagnostic Board (uses 3) .....	500-2000 .....
RE0013000	Flow Switch .....	500-2000 .....
E2104800	Hi Limit, Auto Reset, 135°F 120" capillary .....	500-2000 .....
E2217700	Temp Controller, 100 - 200°F Auto Reset .....	500-2000 .....
E2313900	Ignition Control .....	500-2000 .....
2400-286	Ignitor, Hot Surface, w/ Gasket .....	500-2000 .....
E2105600	Indicator Light Board Panel .....	500-2000 .....
E2075900	Low Water Cutoff .....	500-2000 .....
RE0240900	Pressure Switch .....	500-2000 .....
E0098300	Relay (SPST for pump) .....	500-2000 .....
E2306700	Relay, module, encapsulated, 24V .....	500-2000 .....
E2106600	Switch, Rocker .....	500-2000 .....
E2307400	Terminal Board, Field Wiring .....	500-2000 .....
E2310400	Transformer, 120/24V 150VA .....	500-1000 .....
E2312800	Transformer, 100VA .....	1250-2000 .....
R2014800	Universal Temp Cntrl Sensor Kit .....	500-2000 .....
A2110800	Actuator, 2-10V, Nepronic Mixing System .....	500-2000 .....
A2110900	Valve, 3 Way Ball, 2" NPT Mixing System .....	500-2000 .....
E2317300	Temp Control w/Display, FX05 .....	500-2000 .....
E2317400	Wire Harness, Mixing System .....	500-2000 .....
E2106200	Circuit Breaker, 6A .....	500-2000 .....
E23211800	Switch, Rocker, pump models .....	500-2000 .....
<b>HEAT EXCHANGER / Water Path Components</b>		
<i>Code Compliant ASME Heat Exchangers</i>		
<i>Built in accordance w/ the requirements of the ASME Boiler and Pressure Vessel Code</i>		
<b>Cupronickle tubes with glass lined headers</b> , ideal for chlorinated water, some corrosive water and soft water applications.		
R2027801	Tube Assy, CuNi Tubes .....	500 .....
R2027802	Tube Assy, CuNi Tubes .....	750 .....
R2027803	Tube Assy, CuNi Tubes .....	1000 .....
R2027804	Tube Assy, CuNi Tubes .....	1250 .....
R2027805	Tube Assy, CuNi Tubes .....	1500 .....
R2027806	Tube Assy, CuNi Tubes .....	1750 .....
R2027807	Tube Assy, CuNi Tubes .....	2000 .....
<i>Also available: cupronickle tubes with bronze headers, and copper tube assemblies (copper tubes not recommended for chlorinated water applications). Contact Customer Service for pricing and availability.</i>		
RA2001700	Pump, 1/3HP .....	
RA2001800	Pump, 1/2HP .....	
RA2001900	Pump, 3/4HP .....	
A2109700	Pump, 1HP .....	
10338400	Baffle, Diffuser, Pump Inlet .....	500-2000 .....
10364501	Cover, In/Out, bronze .....	500-2000 .....
10364504	Cover, In/Out, glass-lined cast iron .....	500-2000 .....
S0063700	Gasket, Flange .....	500-2000 .....
S0095100	Gasket, Header .....	500-2000 .....
S0024600	Gasket, Pump Adapter .....	500-2000 .....
RA0079000	Gauge, Temperature/Pressure .....	500-2000 .....
10364201	Pump Adapter, bronze .....	500-2000 .....
10364200	Pump Adapter, glass-lined cast iron .....	500-2000 .....
10483300	Pump Housing, bronze .....	500-2000 .....
R10261501	Pump Housing, glass-lined cast iron .....	500-2000 .....

Part No.	Description	Size
A0063600	Relief Valve, 75 PSI .....	500-2000 .....
10364301	Return Cover, bronze .....	500-2000 .....
10364300	Return Cover, glass-lined cast iron .....	500-2000 .....
10338300	Water Barrier (inlet) .....	500-2000 .....
20230101	Water Barrier (inlet/outlet) .....	500-2000 .....
RE2058300	Well, Temp Control Sensor standard depth .....	500-2000 .....
<b>JACKET COMPONENTS</b>		
R2027901	Control Panel Access Kit, with gasket .....	500-1000 .....
R2027902	Control Panel Access Kit, with gasket .....	1250-2000 .....
5C1020	Base Assy .....	500 .....
7C1020	Base Assy .....	750 .....
10C1020	Base Assy .....	1000 .....
12C1020	Base Assy .....	1250 .....
15C1020	Base Assy .....	1500 .....
17C1020	Base Assy .....	1750 .....
20C1020	Base Assy .....	2000 .....
15C2010	Brace, Jacket Top .....	1500-1750 .....
10C2010	Brace, Jacket Top .....	2000 .....
5C7103	Bracket, Control Panel Mounting .....	500-2000 .....
5C3100	Collar, Vent Plate, 6" .....	500 .....
7C3100	Collar, Vent Plate, 8" .....	750 .....
10C3100	Collar, Vent Plate, 10" .....	1000 .....
15C3100	Collar, Vent Plate, 12" .....	1250/1500 .....
20C3100	Collar, Vent Plate, 14" .....	1750/2000 .....
5C3004	Cover, Solid, Vent Plate .....	500 .....
10C3004	Cover, Solid, Vent Plate .....	1000 .....
20C3004	Cover, Solid, Vent Plate .....	2000 .....
5C3010	Control Door, Access .....	500-2000 .....
5C7200	Control Panel Weldment .....	500-2000 .....
5C3320	Panel, Jacket, Front .....	500 .....
7C3320	Panel, Jacket, Front .....	750 .....
10C3320	Panel, Jacket, Front .....	1000 .....
12C3320	Panel, Jacket, Front .....	1250 .....
15C3320	Panel, Jacket, Front, Left .....	1500 .....
15C3620	Panel, Jacket, Front, Right .....	1500 .....
17C3320	Panel, Jacket, Front, Left .....	1750 .....
17C3620	Panel, Jacket, Front, Right .....	1750 .....
20C3320	Panel, Jacket, Front, Left .....	2000 .....
20C3620	Panel, Jacket, Front, Right .....	2000 .....
5C3220	Panel, Jacket, Rear .....	500 .....
7C3220	Panel, Jacket, Rear .....	750 .....
10C3220	Panel, Jacket, Rear .....	1000 .....
12C3220	Panel, Jacket, Rear .....	1250 .....
15C3220	Panel, Jacket, Rear .....	1500 .....
17C3220	Panel, Jacket, Rear .....	1750 .....
20C3220	Panel, Jacket, Rear .....	2000 .....
5C3420	Panel, Jacket, Side Left .....	500-2000 .....
5C3520	Panel, Jacket, Side Right .....	500-2000 .....
5C3021	Panel, Jacket, Top .....	500 .....
7C3021	Panel, Jacket, Top .....	750 .....
10C3021	Panel, Jacket, Top .....	1000 .....
12C3021	Panel, Jacket, Top .....	1250 .....
15C3021	Panel, Jacket, Top, Left .....	1500 .....
15C3025	Panel, Jacket, Top, Right .....	1500 .....
17C3021	Panel, Jacket, Top, Left .....	1750 .....
17C3025	Panel, Jacket, Top, Right .....	1750 .....
20C3021	Panel, Jacket, Top, Left .....	2000 .....
20C3025	Panel, Jacket, Top, Right .....	2000 .....

# PowerMax PM

Part No.	Description	Size
5C3002	Plate, Cover, Filter .....	500-1000 .....
15C3002	Plate, Cover, Filter .....	1250-2000 .....
5C3502	Plate, Cover, Wiring .....	500-2000 .....
5C3304	Plate, Gas Pipe Seal .....	500 .....
7C3304	Plate, Gas Pipe Seal .....	750 .....
10C3304	Plate, Gas Pipe Seal .....	1000 .....
20C3304	Plate, Gas Pipe Seal .....	1250-2000 .....
5C5300	Weldment, Blower Mount .....	500-2000 .....



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